PROFESSIONAL CERTIFICATION BENCHMARK DATASET: THE FIRST 500 JOBS FOR LARGE LANGUAGE MODELS

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ABSTRACT

The research creates a professional certification survey to test large language models and evaluate their employable skills. It compares the performance of two AI models, GPT-3 and Turbo-GPT3.5, on a benchmark dataset of 1149 professional certifications, emphasizing vocational readiness rather than academic performance. GPT-3 achieved a passing score (>70% correct) in 39% of the professional certifications without fine-tuning or exam preparation. The models demonstrated qualifications in various computer-related fields, such as cloud and virtualization, business analytics, cybersecurity, network setup and repair, and data analytics. Turbo-GPT3.5 scored 100% on the valuable Offensive Security Certified Professional (OSCP) exam. The models also displayed competence in other professional domains, including nursing, licensed counseling, pharmacy, and teaching. Turbo-GPT3.5 passed the Financial Industry Regulatory Authority (FINRA) Series 6 exam with a 70% grade without preparation. Interestingly, Turbo-GPT3.5 performed well on customer service tasks, suggesting potential applications in human augmentation for chatbots in call centers and routine advice services. The models also score well on sensory and experience-based tests such as wine sommelier, beer taster, emotional quotient, and body language reader. The OpenAI model improvement from Babbage to Turbo resulted in a median 60% better-graded performance in less than a few years. This progress suggests that focusing on the latest model's shortcomings could lead to a highly performant AI capable of mastering the most demanding professional certifications. We open-source the benchmark to expand the range of testable professional skills as the models improve or gain emergent capabilities.

KEYWORDS

Transformers, Text Generation, Generative Pre-trained Transformers, GPT

1. INTRODUCTION

There is growing interest in novel ways to score AI progress using large language models (LLMs) and their remarkable ability to pass challenging professional exams [1-47]. These certifications [4-5, 19, 40] include fields of medicine [6-7,15,17,20,23-25,27-28,30-31,36], law [13], physics [43], math [16,41], engineering [34], software [14], psychology [32], IQ [39], finance [37], language translation [8,10-12,21,29,44], and general task solving [1-2,9,18,26,35,38,42]. A new field seeks to design cheat-proof examination styles that neutralize a student's attempt to use an LLM while testing [40]. The original Turing test [48-49] posed a conversational test if a machine could convince a blind human panel that the judges conversed with a human when they talked to software only. Researchers have scored LLMs grammatically or, in the case of translators using the Bilingual Evaluation (BLEU) methodology to compare performance to experts and other machines [8,10-12,21,29,44]. However, with the remarkable progress in language understanding since late 2022 (ChatGPT and other transformers [3-4]), the

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current LLM generation has received attention for its capability to certify as human professionals in often complex or even life-saving capacities like legal advisors [13] or medical internists [6]. Remarkably, early prototype systems feature suicide prevention and mental health counseling as the first applications of LLMs, given some safeguards [50]. The increasing importance of understanding the result of training, refining, and deploying these models has prompted OpenAI [4] to publish its "eval corpus," [51] mainly a description of the internal stages of declaring a model safe to deploy.

The goal of the current work stems from a motivational thought experiment: What would an employer do if presented with ChatGPT's resume in a job interview? In other words, is there a role to consider the machine as both a trustworthy personal assistant and as a prospective new hire? [22] The question becomes more interesting when considering the model's previous accomplishments in taking difficult exams [4]. ChatGPT (GPT 4.0) has passed the medical [6] and legal bar [14] exams. It certifies as a software programming competitor in Code Forces [4]. As a math and biology Olympiad winner, GPT4 passes all Advanced Placement exams and ranks in the top 95% for college admission (Scholastic Aptitude Test) [4]. In this context, a machine looking for a job carries an initial credential worthy of full college admission for undergraduate and potentially graduate schoolwork [4,42].

Could the machine show similar capabilities as a professional employee or job candidate in the applicant pool with human experts, particularly considering the $20 per month charge for priority use of the OpenAI API? A few hundred dollars for a tireless personal assistant seem at face value to be a productive use of funds.

The current research presents a new benchmark [52] called the Professional Certification Benchmark Exam Dataset, based on a representative sampling of more than 1100 practice exams for professional certifications (5197 questions) [53]. In addition, the benchmark includes synthetically constructed examples of 49 challenging skill tests highlighted from human surveys as challenging [54]. The synthetic dataset uses proposed 10-20 question panels and a separate session to answer the question (940 total). This new assessment or total panel comprises 1149 occupational skill evaluations ranging from high sensory qualifications for a wine sommelier to rigorous offensive cybersecurity tests. The new dataset [52] consists of 1149 exams with 6137 multiple questions for the model to answer.

The work builds on previous Open AI internal assessments of large language models [4], mainly focusing on the medical and legal profession (bar exams) and various scholastic achievement or advanced placement exams. One goal of these assessments ranks the improvement in general "zero-shot" knowledge [18] available as the large language model (LLM) progresses in sophistication and capability. In this context, zero-shot refers to an LLM not requiring any example cases. Few-shot direct prompt engineering compares to a lazy human candidate with some study preparations.

2. METHODS

The research approach centers on evaluating LLMs by surveying these large banks of practice tests, including all the certifications that typically rely on multiple-choice selections. In this way, we score the progress over the last two years in building confident exam takers for various professional jobs, ranging from wine sommeliers to certified accountants. This work looks at 1149 such certifications available in the public domain as practice tests (mainly) but provides a wide swath of specializations. The approach attempts two styles of inquiry. Firstly, we survey all 1100 practice exams of professions [53], then the 49 certifications in a shallow fashion to illustrate the range of knowledge. Secondly, we finish the equivalent of a cybersecurity cloud

certification that otherwise requires an applicant to study a recommended six-month preparation before examination. In addition to this variation of test types, we explore several generations of model complexity, including three or more from the OpenAI line-up of GPT, then branching to open-source alternatives. All test cases are multiple-choice, the preferred standard for most certifications to assist automated and objective grading methods. We evaluate the results against at least four OpenAI models released as API interfaces since 2021. In recency and performance, these models follow alphabetically famous innovators, including Ada (Lovelace), (Charles) Babbage, (Marie) Curie, and (Leonardo DaVinci). DaVinci is the best available model (2022) until the upgrade of GPT3 to GPT4, which OpenAI has not included in API formats (May 2023). The latest performant model is labeled gpt3.5-turbo.

Collected metrics include model type, the score of correct multiple-choice questions, and models that pass the professional certification exam (>70% accurate). All models are tested as "zero-shot" learners, meaning that we prefix no specific examples of answering multiple-choice questions to the final prompt. In our experience, the "few shot" method of example proved unnecessary, as all the models tested followed instructions to choose a letter answer (A-D) representing the model's response. For all models tested, the prefix instruction included the statement, "You are an expert in professional certifications in <<BLANK>>. Answer the multiple-choice questions using the format Answer: [insert]," where <<BLANK>> represented the broad category of the exam such as "NIST SP800-171 CMMC Certification". For models where the API exposes the creativity level or temperature, we set the value to 0 to limit the model drift in ways consistent with other OpenAI applications that center on a question and answer rather than creative outputs.

Table 1. Example Scores Based on Five Professional Examinations Administered to Two Models

Certification	Turbo-GPT3.5	GPT3
ALIBABA ACA CLOUD1	100%	100%
COMPTIA 220 1102	100%	100%
COMPTIA 220 902	100%	100%
CompTIA XK0 005	100%	100%
CSA CCSK	100%	100%

3. RESULTS

Table 1 summarizes the collected results for five example professional certifications administered to two models, GPT3 and Turbo-GPT3.5. The Appendix lists the complete scoresheet for all 1149 professional certifications. Figure 1 highlights the overall difference between the two models and the rank order performance for both models that achieve a passing grade (>70% correct) using the zero-shot approach. GPT passed roughly 39% of the broad professional certifications without fine-tuning or exam preparation. The examinations covered a predominantly weighted selection of computer-related vocations, ranging from high-value cybersecurity certifications to project management. In contrast to previous work that selected exams based on academic performance, this benchmark dataset highlights vocational readiness. More than 100 cyber certifications include a recommended (human) employee preparation time of at least six months. In the case of offensive cybersecurity or red team, the Offensive Security Certified Professional (OSCP) certification is a valuable job skill for penetration testers, one that industry and government recruiters reward with substantial salary boosts. GPT3.5 scores 100% on the OSCP exam.

The test benchmark [52] covers many of the academic requirements to be considered professionally employable, ranging from the high school graduation exam (General Education Development (GED)) to graduate admission (Graduate Management Admission Test (GMAT)). Another noteworthy category addressed here and in previous testing [4], the model shows competent and specific skills in nursing (Test of Essential Academic Skills, or TEAS), licensed counselor (National Counselor Examination (NCE)) and pharmacy (North American Pharmacist Licensure Examination, NAPLEX). The model passes the teacher certification (PRAXIS), an essential requirement to participate in US public education employment. Other than the medical or legal bar exam, the Financial Industry Regulatory Authority (FINRA) Series 6 exam provides a lucrative gateway to financial advisers, one which has a human pass rate of 58% [55] and one which GPT-3.5 scores a passing (70%) grade without preparation.

Based on tabulated professional certification results (Appendix), the latest LLMs demonstrate qualifications in broad computer-related fields, including cloud and virtualization (Amazon AWS, Alibaba, Google, Microsoft, VMWare), business analytics (Project Management Institute, Six Sigma, Configuration Management), cybersecurity (CompTIA, EC Council, InfoSec Institute, IAPP, Solarwinds, Palo Alto Networks, Blockchain, etc.), network setup and repair (Dell, HP, Citrix, Novell, Fortinet), data analytics (Tableau, Qlikview Developer, UIPath).

Ironically, a chat interface (turbo-gpt3.5) scores well on traditional customer service responsibilities tested by Avaya exams, a likely early destination for human augmentation with chatbots for routine advice and call centers.

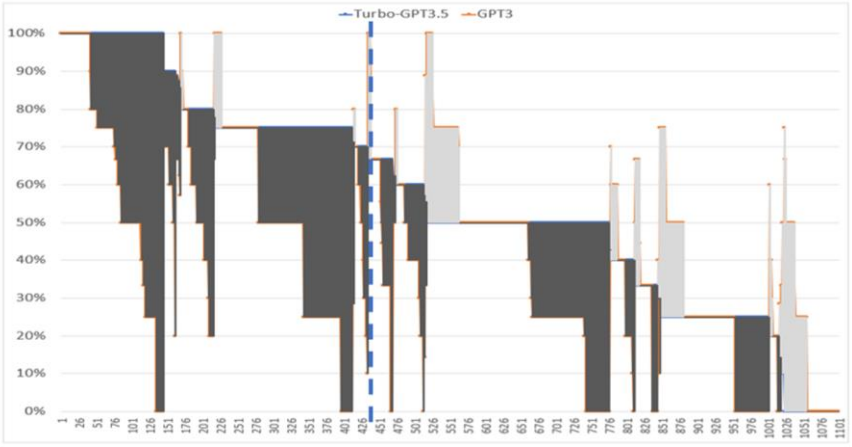

Figure 1. Rank ordered professional exam scores between two LLM models, rated by the percentage of questions answered correctly. The blue dotted line shows the 435 examinations scoring 70% or higher with zero-shot approach.

Notable certification failures overlap with some of the successful passing areas, such as VMWare (virtualization), teaching writing (Praxis), and logical legal reasoning (LSAT Section 1, Logical Reasoning). Further work is needed to understand whether these multiple-choice exams fit the correct format for prompting the LLMs and whether the test evaluation proves appropriate for automated scoring. For example, the low scores associated with writing and Python coding point to some prompt ambiguity in the question submission since LLMs have demonstrated high qualifications for grammar, language comprehension, and coding [4].

To evaluate the models' behavior, Figure 2 highlights challenging but non-computer-related tasks like selecting wine (sommelier exams), language translation, driver's education, and various IQ tests (Mensa, Wonderlic). One motivation for this list was their high rank as the most challenging

certifications [54]. Examples here included accountants (CPA), veterinarians (CVPM), aviation inspectors (CMI-ASQ, CAM), real estate appraisers, human resources professionals (SHRM), and financial planners (CFP).

Another list motivator hinged on finding exams that relied on sensory or emotional experience, which in the case of LLMs relies on acquired knowledge, not direct experience. Examples include wine and beer tasting, emotional intelligence assessment (EQ), body language interpretation, and driver's education.

Figure 2 shows that turbo-gpt3.5 passes all exams in this group except for Wonderlic (50%) with greater than 70% passing grades. The average human score on Wonderlic is 40% (20/50 correct). No noticeable bias appears in the experience-based tests like sensory or emotional evaluations, as these text generation examples exist in the training set of many internet pages used to build and fine-tune the model responses. The notable improvement in the OpenAI model improvement from Babbage to Turbo approaches a median 60% better-graded performance (100% in Turbo vs. 40% in Babbage). This advance has taken less than a few years and suggests that with sufficient attention to the latest model's failings in Appendix examples, a highly performant model could master the most demanding professional certifications.

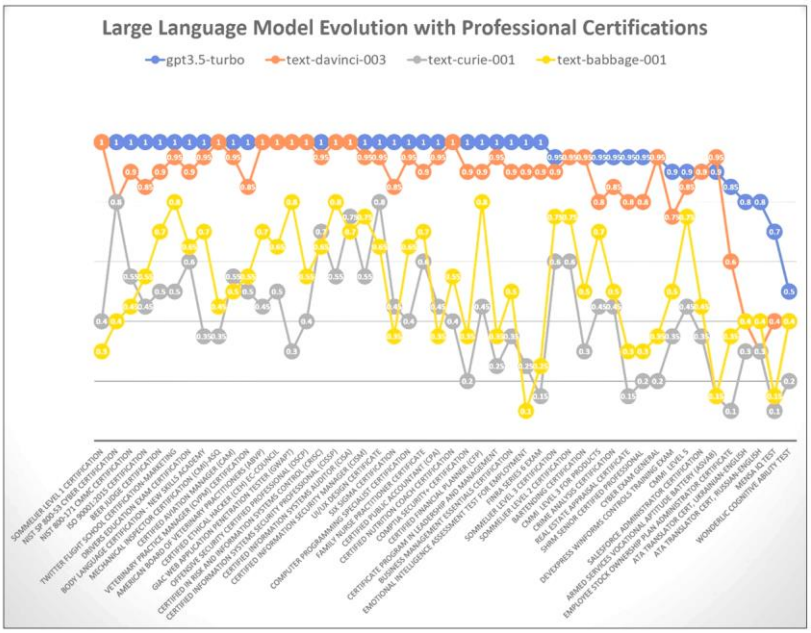

Figure 2. Comparison of hardest certifications across different model evolutions, including experience-based tests

4. DISCUSSION AND CONCLUSIONS

Three often mentioned AI axes include reliability, competencies, and trustworthiness outside its narrow training set. These trade-offs also trigger concerns about creating a large language model that lacks any verifiable model of the world, whether that model involves physics or common sense, or empathy. One outcome of recent attempts to engineer prompts that change the model's behavior creates concerns that the model serves precisely the role that the user requires, whether nefarious, malicious, or benign. The right prompt generates the proper response. Previous work has labeled these categories of AI safety as constraints on reasoning ability, hallucination, and user interactivity.

This study assembled a comprehensive professional certification benchmark and scored multiple language models to evaluate competency and capabilities without preparation or special attention to the examples for training. The latest models (turbo-gpt3.5) demonstrated competence in various medical, legal, technical, and financial areas of human expertise. The original contributions of the research created the benchmark dataset for future testing of new models against prior ones across a range of capabilities. The OpenAI API provides a scalable approach to expanding the list from 5197 questions to broader professional competencies.

During this phase of deserved attention to AI safety, these results probe the limits of AI trust and confidence. The work joins with similar quantitative evaluations provided by Open AI (called eval corpus [51]) and the recent studies illustrating how ChatGPT and GPT-4 models exceed (by 10-60%) the exam-taking tasks of its most recent predecessors across a spectrum of educational milestones [19]. Open AI presented a bar chart comparing a single GPT generation (3/4) and its progress in taking Advanced Placement (high school) exams, the legal and medical bar, the graduate GRE, the college SAT, and various competitive math and biology Olympiads [19]. Others [40] have criticized the testing industry for turning to many multiple-choice formats because of their ease of automated scoring, a feature that may assist the LLMs in guessing well when considering the next token prediction [2-3].

While these educational evaluations assess verbal, comprehension, and mathematical understanding, they focus on the core skills expected of general education. On the other hand, professional certifications provide confidence that a new hire possesses the prior training to exercise competence in specific fields. Areas of particular future interest involve more experience-based testing contributions, such that model parroting of training data becomes less influential in the final assessment. A notable feature of testing sensory and emotional qualifications reverses some widely held beliefs that this generation of AI would fail to interact naturally with humans as a personal assistant. On the contrary, these test results bear a high emotional quotient and some capability to engage in the impossible sensory evaluations in a quantitative conversational context.

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Appendix A: Examination Evaluation Compared between Turbo GPT 3.5 vs. GPT 3

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
ALIBABA ACA CLOUD1	100%	100%	AAFM INDIA CWM LEVEL 2	50%	50%
COMPTIA 220 1102	100%	100%	AMAZON AWS CERTIFIED DEVELOPER ASSOCIATE DVA C02	50%	50%
COMPTIA 220 902	100%	100%	AMAZON AWS CERTIFIED DEVOPS ENGINEER PROFESSIONAL DOP C02	50%	50%
COMPTIA XK0 005	100%	100%	AMAZON AWS CERTIFIED SOLUTIONS ARCHITECT ASSOCIATE SAA C03	50%	50%
CSA CCSK	100%	100%	AMAZON AWS CERTIFIED SOLUTIONS ARCHITECT PROFESSIONAL	50%	50%
DELL DEA 2TT4	100%	100%	ANDROIDATC AND 402	50%	50%
DMI PDDM	100%	100%	ARUBA ACCP V62	50%	50%
ECCOUNCIL 212 82	100%	100%	AVAYA 3300	50%	50%
EXIN MORF	100%	100%	AVAYA 3308	50%	50%
GENESYS GE0 803	100%	100%	AVAYA 6202	50%	50%
GOOGLE CLOUD DIGITAL LEADER	100%	100%	AVAYA 7391X	50%	50%
GOOGLE GOOGLE ANALYTICS	100%	100%	BCS FCBA	50%	50%
GOOGLE PROFESSIONAL DATA ENGINEER	100%	100%	BCS ISEB SWT2	50%	50%
IAPP CIPT	100%	100%	BCS RE18	50%	50%
LPI 102 500	100%	100%	CERTNEXUS ITS 110	50%	50%
MICROSOFT 62 193	100%	100%	CHECKPOINT 156 560	50%	50%
MICROSOFT 70 334	100%	100%	CITRIX 1Y0 403	50%	50%
MICROSOFT 70 398	100%	100%	COMPTIA PT1 002	50%	50%
MICROSOFT 70 465	100%	100%	CWNP CWDP 303	50%	50%
MICROSOFT 70 475	100%	100%	CYBERARK CAU201	50%	50%
MICROSOFT 70 488	100%	100%	DATABRICKS CERTIFIED DATA	50%	50%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
			ENGINEER ASSOCIATE		
MICROSOFT 70 489	100%	100%	DELL DEA 1TT4	50%	50%
MICROSOFT 98 349	100%	100%	DELL DEA 1TT5	50%	50%
MICROSOFT 98 361	100%	100%	DELL DEA 41T1	50%	50%
MICROSOFT 98 366	100%	100%	DELL DEA 64T1	50%	50%
MICROSOFT 98 382	100%	100%	DELL DES 2T13	50%	50%
MICROSOFT AI 102	100%	100%	DELL DES 5221	50%	50%
MICROSOFT AI 900	100%	100%	DELL DES DD23	50%	50%
MICROSOFT AZ 101	100%	100%	DELL E20 368	50%	50%
MICROSOFT AZ 140	100%	100%	ECCOUNCIL 312 39	50%	50%
MICROSOFT AZ 200	100%	100%	ECCOUNCIL 312 50V12	50%	50%
MICROSOFT AZ 801	100%	100%	EXIN ASM	50%	50%
MICROSOFT MB 900	100%	100%	FORTINET NSE4 FGT 60	50%	50%
MICROSOFT MB 901	100%	100%	FORTINET NSE5 EDR 5 0	50%	50%
MICROSOFT MS 700	100%	100%	FORTINET NSE5 FCT 7 0	50%	50%
PMI PMI PBA	100%	100%	FORTINET NSE7 SDW 64	50%	50%
SALESFORCE DEV 501	100%	100%	GAQM CBAF 001	50%	50%
SNIA S10 110	100%	100%	GIAC GSNA	50%	50%
TEST PREP MCAT SECTION 1 VERBAL REASONING	100%	100%	GOOGLE GSUITE	50%	50%
TEST PREP TEAS SECTION 4 SENTENCE COMPLETION	100%	100%	GUIDANCE SOFTWARE GD0 110	50%	50%
THE OPEN GROUP OG0 093	100%	100%	HP HPE0 S51	50%	50%
MICROSOFT 98 365	100%	90%	HP HPE2 E67	50%	50%
ANDROIDATC AND 401	100%	80%	HP HPE2 T36	50%	50%
COMPTIA PT0 002	100%	80%	HUAWEI H12 811	50%	50%
ECCOUNCIL 312 50V11	100%	80%	IAPP CIPP A	50%	50%
GAQM CLSSGB	100%	80%	ISACA COBIT 2019	50%	50%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
IAPP CIPP E	100%	80%	ISQI CTAL TM SYLL2012	50%	50%
ISC CISSP ISSAP	100%	80%	MAGENTO MAGENTO 2 CERTIFIED ASSOCIATE DEVELOPER	50%	50%
MICROSOFT 98 364	100%	80%	MICROSOFT 70 332	50%	50%
NACVA CVA	100%	80%	MICROSOFT 70 339	50%	50%
NOKIA NOKIA 4A0 100	100%	80%	MICROSOFT 70 342	50%	50%
APICS CPIM BSP	100%	75%	MICROSOFT 70 348	50%	50%
APPLE 9L0 012	100%	75%	MICROSOFT 70 414	50%	50%
ASQ CSSGB	100%	75%	MICROSOFT 70 487	50%	50%
AVAYA 72200X	100%	75%	MICROSOFT 98 375	50%	50%
EXIN ASF	100%	75%	MICROSOFT AI 100	50%	50%
EXIN EX0 008	100%	75%	MICROSOFT AZ 600	50%	50%
EXIN EX0 115	100%	75%	MICROSOFT DP 500	50%	50%
FORTINET NSE5 FAZ 54	100%	75%	MICROSOFT MB 330	50%	50%
GAQM BPM 001	100%	75%	MICROSOFT MB2 710	50%	50%
GAQM CDCP 001	100%	75%	MICROSOFT MB2 713	50%	50%
GAQM CSM 001	100%	75%	MICROSOFT MS 203	50%	50%
GOOGLE PROFESSIONAL GOOGLE WORKSPACE ADMINISTRATOR	100%	75%	MICROSOFT MS 302	50%	50%
IAAP CPACC	100%	75%	MICROSOFT PL 600	50%	50%
IIBA IIBA AAC	100%	75%	NETAPP NS0 003	50%	50%
ISACA COBIT 5	100%	75%	NETAPP NS0 182	50%	50%
ISQI CTFL	100%	75%	NETSUITE SUITEFOUNDATION CERTIFICATION EXAM	50%	50%
LPI 010 160	100%	75%	NI CLAD	50%	50%
MICROSOFT 70 347	100%	75%	NUTANIX NCP	50%	50%
MICROSOFT AZ 305	100%	75%	PALO ALTO NETWORKS ACE	50%	50%
PALO ALTO NETWORKS PCCSA	100%	75%	PALO ALTO NETWORKS PCDRA	50%	50%
SIX SIGMA LSSYB	100%	75%	PEGASYSTEMS PEGAPCDC80V1	50%	50%
SOA S9003	100%	75%	RIVERBED 830 01	50%	50%
TEST PREP GED SECTION 4 LANGUAGE ARTS READING	100%	75%	SALESFORCE CERTIFIED DATA ARCHITECT	50%	50%
WORLDATWORK C8	100%	75%	SALESFORCE CERTIFIED	50%	50%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
			OMNISTUDIO DEVELOPER		
HRCI SPHR	100%	70%	SALESFORCE FIELD SERVICE LIGHTNING CONSULTANT	50%	50%
MICROSOFT 70 680	100%	70%	SAP C S4CFI 2202	50%	50%
ACFE CFE	100%	67%	SCRUM PSM II	50%	50%
MICROSOFT AZ 304	100%	67%	SIX SIGMA ICYB	50%	50%
MICROSOFT SC 100	100%	67%	SPLUNK SPLK 2002	50%	50%
ALCATEL LUCENT 4A0 104	100%	60%	SPLUNK SPLK 3001	50%	50%
COMPTIA CAS 002	100%	60%	SYMANTEC 250 428	50%	50%
COMPTIA FC0 U51	100%	60%	THE OPEN GROUP OG0 061	50%	50%
F5 301B	100%	60%	THE OPEN GROUP OG0 092	50%	50%
TEST PREP LSAT SECTION 2 READING COMPREHENSION	100%	60%	VERITAS VCS 323	50%	50%
AVAYA 7004	100%	50%	VERSA NETWORKS VNX100	50%	50%
AVAYA 7591X	100%	50%	VMWARE 1V0 2120	50%	50%
BCS ASTQB	100%	50%	VMWARE 2V0 2119	50%	50%
CITRIX 1Y0 340	100%	50%	VMWARE 2V0 2119D	50%	50%
CIW 1D0 520	100%	50%	VMWARE 2V0 6120	50%	50%
COMPTIA 220 1101	100%	50%	VMWARE 2V0 6221	50%	50%
COMPTIA CV1 003	100%	50%	VMWARE 2V0 642	50%	50%
CWNP PW0 071	100%	50%	VMWARE 3V0 4220	50%	50%
DELL DEA 5TT1	100%	50%	VMWARE 5V0 23 20	50%	50%
DELL DES 5121	100%	50%	VMWARE 5V0 35 21	50%	50%
ECCOUNCIL 312 49V8	100%	50%	VMWARE 5V0 61 22	50%	50%
ECCOUNCIL EC0 349	100%	50%	VMWARE 5V0 6219	50%	50%
EXIN EX0 002	100%	50%	ZEND 200 710	50%	50%
HITACHI HQT 4180	100%	50%	GIAC GISF	50%	40%
ISTQB CTAL TM	100%	50%	HUAWEI H12 224	50%	40%
MICROSOFT 70 537	100%	50%	SANS SEC504	50%	40%
MICROSOFT MB 600	100%	50%	TEST PREP CFA LEVEL 3	50%	40%
MICROSOFT MB2 712	100%	50%	ISC CAP	50%	30%
MICROSOFT PL	100%	50%	AIWMI CCRA	50%	25%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
100					
SAP C HANATEC 17	100%	50%	ALCATEL LUCENT 4A0 M02	50%	25%
SAP E ACTCLD 21	100%	50%	APPIAN ACD200	50%	25%
SAS INSTITUTE A00 250	100%	50%	ARUBA ACMP 64	50%	25%
SIX SIGMA LSSWB	100%	50%	AVAYA 3301	50%	25%
SNIA S10 210	100%	50%	AVAYA 3304	50%	25%
SOA S9001	100%	50%	AVAYA 6209	50%	25%
TEST PREP CBEST SECTION 2 READING	100%	50%	AVAYA 71200X	50%	25%
VERITAS VCS 413	100%	50%	AVAYA 71201X	50%	25%
VMWARE 2V0 5121	100%	50%	AVAYA 7141X	50%	25%
ECCOUNCIL 312 49V10	100%	40%	AVAYA 7304	50%	25%
EXIN ITILF	100%	40%	BACB BCBA	50%	25%
LINUX FOUNDATION LFCS	100%	40%	CITRIX 1Y0 341	50%	25%
MICROSOFT AZ 720	100%	33%	CITRIX 1Y0 401	50%	25%
MICROSOFT PL 400	100%	33%	COMPTIA DA0 001	50%	25%
VMWARE 1V0 642	100%	33%	DATABRICKS CERTIFIED ASSOCIATE DEVELOPER FOR APACHE SPARK	50%	25%
ASQ CQA	100%	25%	DELL DCPPE 200	50%	25%
CIW 1D0 610	100%	25%	DELL DES 1221	50%	25%
DELL E05 001	100%	25%	DELL DES 1241	50%	25%
HP HPE0 J74	100%	25%	DELL DES 9131	50%	25%
LPI 101 400	100%	25%	DELL E20 020	50%	25%
MICROSOFT 70 535	100%	25%	DELL E20 575	50%	25%
MICROSOFT 70 767	100%	25%	DELL E20 655	50%	25%
MICROSOFT 70 776	100%	25%	DELL E20 920	50%	25%
MICROSOFT 70 778	100%	25%	ECCOUNCIL 312 76	50%	25%
MICROSOFT MB 340	100%	25%	FORTINET FORTISANDBOX	50%	25%
MICROSOFT MS 301	100%	25%	FORTINET NSE5 FMG 6 4	50%	25%
NETAPP NS0 171	100%	25%	FORTINET NSE6 FAC 6 1	50%	25%
SALESFORCE CERTIFIED	100%	25%	FORTINET NSE8 810	50%	25%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
SHARING AND VISIBILITY ARCHITECT					
SAS INSTITUTE A00 212	100%	25%	FORTINET NSE8 811	50%	25%
SAS INSTITUTE A00 240	100%	25%	GENESYS CIC 101 01	50%	25%
DELL E20 357	100%	0%	GOOGLE PROFESSIONAL CLOUD DATABASE ENGINEER	50%	25%
MICROSOFT 70 331	100%	0%	GUIDANCE SOFTWARE GD0 100	50%	25%
MICROSOFT 70 466	100%	0%	HP HPE0 J79	50%	25%
MICROSOFT 70 705	100%	0%	HP HPE0 S22	50%	25%
MICROSOFT 98 367	100%	0%	HP HPE6 A42	50%	25%
MICROSOFT AZ 202	100%	0%	ISACA CCAK	50%	25%
MICROSOFT MB 910	100%	0%	ISTQB CTFL 2018	50%	25%
MICROSOFT MB6 894	100%	0%	LPI 202 450	50%	25%
SOLARWINDS SCP 500	100%	0%	MAGENTO M70 201	50%	25%
VMWARE 2V0 2120	100%	0%	META FACEBOOK 100 101	50%	25%
VMWARE 2V0 631	100%	0%	MICROSOFT 70 243	50%	25%
ISC CCSP	90%	80%	MICROSOFT 70 346	50%	25%
ALCATEL LUCENT 4A0 100	90%	70%	MICROSOFT 70 765	50%	25%
APICS CSCP	90%	70%	MICROSOFT 70 774	50%	25%
ASIS ASIS CPP	90%	70%	MICROSOFT AZ 100	50%	25%
COMPTIA SY0 401	90%	70%	MICROSOFT MB 310	50%	25%
MICROSOFT MS 100	90%	70%	NETAPP NS0 155	50%	25%
PEOPLECERT 58	90%	70%	NETAPP NS0 162	50%	25%
TEST PREP NCLEX RN	90%	70%	NETAPP NS0 175	50%	25%
ACSM 010 111	90%	60%	NETAPP NS0 191	50%	25%
ECCOUNCIL 712 50	90%	60%	NFPA CFPS	50%	25%
EXIN EX0 001	90%	60%	NUTANIX NCA	50%	25%
TEST PREP MCAT TEST	90%	60%	PALO ALTO NETWORKS PCCSE	50%	25%
TEST PREP USMLE	90%	60%	PEGASYSTEMS PEGACPBA73V1	50%	25%
ISACA CRISC	90%	50%	SALESFORCE CERTIFIED IDENTITY AND	50%	25%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
			ACCESS MANAGEMENT DESIGNER		
SIX SIGMA ICBB	90%	50%	SALESFORCE CERTIFIED INDUSTRIES CPQ DEVELOPER	50%	25%
SIX SIGMA LSSBB	90%	50%	SALESFORCE FIELD SERVICE CONSULTANT	50%	25%
ECCOUNCIL 312 49	90%	20%	SERVICENOW CAS PA	50%	25%
COMPTIA N10 008	89%	89%	SERVICENOW CIS APM	50%	25%
MICROSOFT MD 100	89%	78%	SERVICENOW CIS DISCOVERY	50%	25%
COMPTIA N10 006	89%	67%	SERVICENOW CIS SIR	50%	25%
MICROSOFT AZ 204	88%	88%	TEST PREP ACLS	50%	25%
MICROSOFT MS 500	88%	88%	TEST PREP GED SECTION 1 SOCIAL STUDIES	50%	25%
MICROSOFT MS 101	88%	63%	TEST PREP HESI A2	50%	25%
COMPTIA CS0 001	86%	57%	TEST PREP RPFT	50%	25%
TEST PREP CGFM	80%	100%	VERITAS VCS 277	50%	25%
ECCOUNCIL 312 50V10	80%	90%	VMWARE 1V0 601	50%	25%
SIX SIGMA LSSMBB	80%	90%	VMWARE 1V0 605	50%	25%
AHIMA RHIA	80%	80%	VMWARE 2V0 2119 PSE	50%	25%
AMAZON AWS CERTIFIED MACHINE LEARNING SPECIALTY	80%	80%	VMWARE 2V0 3119	50%	25%
AMAZON AWS CERTIFIED SYSOPS ADMINISTRATOR ASSOCIATE	80%	80%	VMWARE 2V0 4119	50%	25%
CHECKPOINT 156 215 81	80%	80%	VMWARE 2V0 72 22	50%	25%
COMPTIA FC0 U61	80%	80%	VMWARE 2V0 751	50%	25%
MICROSOFT 70 697	80%	80%	DELL E20 593	50%	20%
MICROSOFT AZ 500	80%	80%	SALESFORCE CERTIFIED PLATFORM DEVELOPER II	50%	20%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
SCRUM PSM I	80%	80%	AMAZON AWS CERTIFIED BIG DATA SPECIALTY	50%	0%
CHECKPOINT 156 21577	80%	70%	AVAYA 3002	50%	0%
TEST PREP GMAT SECTION 3	80%	70%	AVAYA 7130X	50%	0%
TEST PREP GMAT SECTION 3 VERBAL ABILITY	80%	70%	AVAYA 7492X	50%	0%
THE OPEN GROUP OG0 091	80%	70%	AVAYA 76940X	50%	0%
COMPTIA 220 901	80%	60%	CHECKPOINT 156 585	50%	0%
COMPTIA SK0 005	80%	60%	DELL DES 1D11	50%	0%
GIAC GCIH	80%	60%	FORTINET NSE4 FGT 70	50%	0%
GOOGLE PROFESSIONAL CLOUD ARCHITECT	80%	60%	FORTINET NSE6 FML 538	50%	0%
HASHICORP TERRAFORM ASSOCIATE	80%	60%	FORTINET NSE6 FWB 61	50%	0%
PMI PMI SP	80%	60%	FORTINET NSE6 FWF 64	50%	0%
SALESFORCE ADM 211	80%	60%	HITACHI HCE 3700	50%	0%
TEST PREP CDL	80%	60%	HP HPE0 J68	50%	0%
AMAZON AWS CERTIFIED SECURITY SPECIALTY	80%	50%	HP HPE0 J75	50%	0%
COMPTIA CV0 001	80%	50%	HP HPE0 Y53	50%	0%
COMPTIA PK0 004	80%	50%	MICROSOFT 70 341	50%	0%
COMPTIA TK0 201	80%	50%	MICROSOFT AZ 102	50%	0%
GAQM APM 001	80%	50%	MICROSOFT MB2 714	50%	0%
GAQM CLSSBB	80%	50%	MICROSOFT MB2 877	50%	0%
GOOGLE ADWORDS FUNDAMENTALS	80%	50%	NOKIA BL0 100	50%	0%
GOOGLE INDIVIDUAL QUALIFICATION	80%	50%	PEGASYSTEMS PEGACPMC74V1	50%	0%
SALESFORCE CRT 450	80%	50%	PEGASYSTEMS PEGAPCSA80V1 2019	50%	0%
TEST PREP ACT TEST	80%	50%	PEGASYSTEMS PEGAPCSSA87V1	50%	0%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
BLUE COAT BCCPA	80%	40%	SAP C SAC 2221	50%	0%
ISC CISSP ISSMP	80%	40%	SAP C TS450 2020	50%	0%
MICROSOFT DP 201	80%	40%	SAP C TSCM62 67	50%	0%
PMI CAPM	80%	40%	SERVICENOW CIS CSM	50%	0%
TEST PREP MCQS	80%	40%	SNOWFLAKE SNOWPRO ADVANCED ARCHITECT	50%	0%
TEST PREP SAT SECTION 1 CRITICAL READING	80%	40%	SOA S9002	50%	0%
AMAZON AWS CERTIFIED CLOUD PRACTITIONER	80%	30%	VEEAM VMCE V9	50%	0%
ALCATEL LUCENT 4A0 103	80%	20%	VMWARE 1V0 701	50%	0%
BLOCKCHAIN CBSA	80%	20%	VMWARE 2V0 731	50%	0%
GIAC GSEC	80%	20%	VMWARE 2VB 601	50%	0%
HUAWEI H12 221	80%	20%	VMWARE 5V0 3219	50%	0%
ISC CISSP ISSEP	80%	20%	MICROSOFT DP 200	43%	43%
MICROSOFT 70 741	80%	20%	SYMANTEC 250 513	40%	70%
MICROSOFT 70 761	80%	20%	ABA CTFA	40%	60%
MICROSOFT MD 101	78%	67%	ALCATEL LUCENT 4A0 101	40%	60%
ASQ CQE	75%	100%	BACB BCABA	40%	60%
ENGLISH TEST PREPARATION TOEFL SENTENCE CORRECTION	75%	100%	ECCOUNCIL 412 79V8	40%	60%
FORTINET NSE5 FAZ 60	75%	100%	MICROSOFT 70 744	40%	60%
GOOGLE ASSOCIATE ANDROID DEVELOPER	75%	100%	SALESFORCE CERTIFIED ADVANCED ADMINISTRATOR	40%	60%
HP HPE2 E71	75%	100%	SALESFORCE CERTIFIED SALES CLOUD CONSULTANT	40%	60%
IIBA ECBA	75%	100%	TEST PREP CFA LEVEL 2	40%	60%
NETAPP NS0 145	75%	100%	TEST PREP NET	40%	60%
PALO ALTO NETWORKS PSE SASE	75%	100%	AMAZON AWS SYSOPS	40%	40%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
SALESFORCE CERTIFIED MARKETING CLOUD ADMINISTRATOR	75%	100%	CHECKPOINT 156 31580	40%	40%
VMWARE 2V0 7121	75%	100%	DELL E20 260	40%	40%
A10 NETWORKS A10 CERTIFIED PROFESSIONAL SYSTEM ADMINISTRATION 4	75%	75%	HP HPE6 A29	40%	40%
AAFM INDIA CWM LEVEL 1	75%	75%	PMI PFMP	40%	40%
AVAYA 7003	75%	75%	SAS INSTITUTE A00 211	40%	40%
AVAYA 7392X	75%	75%	TEST PREP PTCE	40%	40%
BLOCKCHAIN CBBF	75%	75%	TEST PREP SAT TEST	40%	40%
CHECKPOINT 156 315 81	75%	75%	TEST PREP TCLEOSE	40%	40%
CITRIX 1Y0 231	75%	75%	VMWARE 2V0 621	40%	40%
CIW 1D0 541	75%	75%	VMWARE 2V0 621D	40%	40%
COMPTIA CLO 002	75%	75%	APICS CLTD	40%	20%
COMPTIA XK0 004	75%	75%	BLUE COAT BCCPP	40%	20%
CROWDSTRIKE CCFA	75%	75%	F5 101	40%	20%
CWNP CWAP 402	75%	75%	FINRA SERIES 7	40%	20%
CWNP CWNA 107	75%	75%	GIAC GSSP JAVA	40%	20%
CWNP CWNA 108	75%	75%	HRCI GPHR	40%	20%
DELL DEA 2TT3	75%	75%	IAPP CIPM	40%	20%
DELL E10 002	75%	75%	ISACA CDPSE	40%	20%
ECCOUNCIL 312 85	75%	75%	SALESFORCE CERTIFIED MARKETING CLOUD EMAIL SPECIALIST	40%	20%
ENGLISH TEST PREPARATION TOEFL SENTENCE COMPLETION	75%	75%	TEST PREP PCAT	40%	20%
EXIN ISFS	75%	75%	CHECKPOINT 156 91577	40%	10%
GENESYS GCP GC IMP	75%	75%	DELL E20 555	40%	0%
GENESYS GCP GCX	75%	75%	RIVERBED 101 01	40%	0%
GOOGLE PROFESSIONAL CLOUD DEVOPS	75%	75%	MICROSOFT MB 210	38%	50%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
ENGINEER					
GOOGLE PROFESSIONAL CLOUD NETWORK ENGINEER	75%	75%	DELL DES 1121	33%	67%
GOOGLE SHOPPING ADVERTISING	75%	75%	HP HP0 Y47	33%	67%
HP HPE0 S46	75%	75%	HP HPE2 T37	33%	67%
HP HPE6 A70	75%	75%	MICROSOFT 70 742	33%	67%
HP HPE6 A73	75%	75%	MICROSOFT MS 740	33%	67%
MAGENTO M70 301	75%	75%	MICROSOFT SC 200	33%	67%
MICROSOFT 70 463	75%	75%	CHECKPOINT 156 31577	33%	44%
MICROSOFT 70 685	75%	75%	COMPTIA LX0 103	33%	33%
MICROSOFT 70 773	75%	75%	CYBERARK PAM CDE RECERT	33%	33%
MICROSOFT 74 409	75%	75%	DELL DES 6332	33%	33%
MICROSOFT DP 300	75%	75%	DELL DES DD33	33%	33%
MICROSOFT MB 230	75%	75%	HP HP2 B149	33%	33%
MICROSOFT MB2 708	75%	75%	HP HPE6 A72	33%	33%
MICROSOFT SC 300	75%	75%	MICROSOFT 70 462	33%	33%
NADCA ASCS	75%	75%	MICROSOFT 70 480	33%	33%
NETAPP NS0 180	75%	75%	MICROSOFT 70 496	33%	33%
NETAPP NS0 194	75%	75%	MICROSOFT DP 203	33%	33%
NOVELL 050 733	75%	75%	MICROSOFT MB 220	33%	33%
PALO ALTO NETWORKS PSE STRATA	75%	75%	MICROSOFT MS 600	33%	33%
SALESFORCE CERTIFIED BUSINESS ANALYST	75%	75%	MICROSOFT PL 900	33%	33%
SAP C TAW12 750	75%	75%	PEGASYSTEMS PEGACSA72V1	33%	33%
SCALED AGILE SA	75%	75%	SALESFORCE DEV 401	33%	33%
SIX SIGMA ICGB	75%	75%	VMWARE 2V0 602	33%	33%
SIX SIGMA LSSGB	75%	75%	VMWARE 3V0 624	33%	33%
SYMANTEC 250 430	75%	75%	DELL E20 307	33%	0%
TEST PREP TEAS SECTION 2 SENTENCE CORRECTION	75%	75%	FORTINET NSE5 FAZ 62	33%	0%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
VMWARE 1V0 603	75%	75%	HP HPE0 S58	33%	0%
VMWARE 2V0 6119	75%	75%	MICROSOFT 70 473	33%	0%
VMWARE 2V0 620	75%	75%	MICROSOFT 70 695	33%	0%
WORLDATWORK T1 GR1	75%	75%	MICROSOFT 70 713	33%	0%
AMAZON AWS CERTIFIED ADVANCED NETWORKING SPECIALTY ANS C01	75%	50%	MICROSOFT 98 369	33%	0%
ANDROIDATC AND 403	75%	50%	PEGASYSTEMS PEGACRSA80V1	33%	0%
APPLE MAC 16A	75%	50%	HUAWEI H13 629	30%	40%
AVAYA 3107	75%	50%	ISACA CGEIT	30%	30%
AVAYA 7120X	75%	50%	GIAC GPEN	30%	10%
AVAYA 7593X	75%	50%	AVAYA 6211	25%	75%
BCS TM12	75%	50%	AVAYA 7230X	25%	75%
BLOCKCHAIN CBDE	75%	50%	DELL E20 893	25%	75%
CHECKPOINT 156 110	75%	50%	GENESYS GCP GC REP	25%	75%
CIW 1D0 571	75%	50%	HP HP2 B148	25%	75%
COMPTIA LX0 104	75%	50%	HP HPE0 S52	25%	75%
ECCOUNCIL 212 89	75%	50%	HP HPE6 A49	25%	75%
EXIN EX0 105	75%	50%	HUAWEI H19 301	25%	75%
EXIN PR2P	75%	50%	CHECKPOINT 156 91580	25%	50%
FORTINET NSE4 FGT 62	75%	50%	CITRIX 1Y0 204	25%	50%
FORTINET NSE5 FMG 7 0	75%	50%	CITRIX 1Y0 311	25%	50%
FORTINET NSE6	75%	50%	CIW 1D0 621	25%	50%
FORTINET NSE6 FWB 560	75%	50%	DELL DES 1721	25%	50%
FORTINET NSE7 EFW 7 0	75%	50%	DELL DES 1B31	25%	50%
FORTINET NSE7 PBC 64	75%	50%	DELL DNDNS 200	25%	50%
GIAC GCPM	75%	50%	ENGLISH TEST PREPARATION TOEFL READING COMPREHENSION	25%	50%
GOOGLE MOBILE ADVERTISING	75%	50%	EXIN ISMP	25%	50%
GOOGLE PROFESSIONAL COLLABORATION	75%	50%	FORTINET NSE7	25%	50%

Certification	Turbo-GPT3.5	GPT3	Certification	Turbo-GPT3.5	GPT3
ENGINEER					
GOOGLE VIDEO ADVERTISING	75%	50%	GENESYS GE0 806	25%	50%
HP HPE0 S37	75%	50%	HP HPE2 E72	25%	50%
HP HPE2 E69	75%	50%	HP HPE6 A07	25%	50%
HRCI PHR	75%	50%	INFOR IOS 252	25%	50%
INFOR M3 123	75%	50%	ISQI CTAL TA	25%	50%
ISTQB ATM	75%	50%	MCAFEE MA0 101	25%	50%
ISTQB ATTA	75%	50%	MICROSOFT 74 343	25%	50%
LPI 010 150	75%	50%	MICROSOFT MB 240	25%	50%
MICROSOFT 70 483	75%	50%	NETAPP NS0 502	25%	50%
MICROSOFT 70 486	75%	50%	SALESFORCE CERTIFIED HEROKU ARCHITECTURE DESIGNER	25%	50%
MICROSOFT 70 735	75%	50%	SALESFORCE CERTIFIED SERVICE CLOUD CONSULTANT	25%	50%
MICROSOFT 70 768	75%	50%	SERVICENOW CIS EM	25%	50%