Liangze (Josh) Li

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EDUCATION

Carnegie Mellon University **Aug 2024**
Master of Science in Language Technologies *Pittsburgh, PA*

Carnegie Mellon University **May 2021**
Bachelor of Science in Logic and Computation, Additional Major in Philosophy, High Honors *Pittsburgh, PA*

EXPERIENCE

Google DeepMind **Sep 2024 – *Current***
Research Engineer *Mountain View, CA*
- Pioneer novel modelling techniques to synergize transformer and non-transformer ML models
- Drive the deployment of novel ML systems on high-traffic Ads surfaces, delivering substantial financial impact

Alphice **Jan 2024 – Jul 2024**
Co-Founder, CTO *Redwood City, CA*
- Spearheaded architecture design and model deployment of generative AI workflow for storytelling
- Led cross-functional team to orchestrate data-driven operations initiative

Oracle Labs **May 2023 – Aug 2023**
Research Assistant Intern *Burlington, MA*
- Devised pipelines to train and evaluate LLMs with different Parameter-Efficient Fine-Tuning methods
- Implemented a strategy to contrast and visualize important out-of-domain adaptation ability of LLMs

Carnegie Mellon University **Jan 2023 – May 2024**
Teaching Assistant *Pittsburgh, PA*
- Taught recitations for 100+ students on DL concepts and mentored 30+ students on DL theory and projects
- Reproduced milestone papers including ConvNeXt, ResNet, Attention, and set standards for students

Carnegie Mellon University **Jan 2023 – May 2023**
Team Lead - Amazon Alexa Social Bot Challenge *Pittsburgh, PA*
- Led team of 6 to benchmark and deploy large language models (LLM) to build conversational agent
- Applied knowledge distillation techniques to achieve conversational continuity

Tencent **Jul 2021 – Apr 2022**
Tecnical Product Specialist *Shenzhen, China*
- Led team of 4 to develop data analytics module to predict profit margins over 5000+ SaaS products
- Formulated GMV growth as sentiment analysis task, deployed LLM to achieve 12% growth in select categories

PUBLICATION

- Shih-Lun Wu, Yi-Hui Chou, **Liangze Li**. Listener model for the PhotoBook referential game with CLIPScores as implicit reference chain. *ACL 2023*.
- Yutian Chen, Hao Kang, Vivian Zhai, **Liangze Li**, Rita Singh, Bhiksha Raj. Token Prediction as Implicit Classification to Identify LLM-Generated Text. *EMNLP 2023*.

SERVICE

CMU Blackjack Society **Jan 2023 – May 2024**
Founder, President *Carnegie Mellon University*
- Organized Blackjack training and headed development of simulator for strategy benchmarking.

CMU Student College Executive Committee **Aug 2020 – May 2021**
President *Carnegie Mellon University*
- Coordinated with university registrar to deliver accreditation for student-designed and -taught elective courses.