Liangze (Josh) Li

me@llz.info   (+1)412-726-6664   Millbrae, CA 94030

linkedin.com/in/cterdam   github.com/cterdam

EDUCATION

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

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

EMPLOYMENT

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

Oracle Labs   **Burlington, MA**
Research Assistant Intern   **May 2023 — Aug 2023**
- Devised a pipeline 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   **Pittsburgh, PA**
Teaching Assistant   **Jan 2023 — May 2024**
- 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   **Pittsburgh, PA**
Tech Lead – Amazon Alexa SocialBot Challenge   **Jan 2023 — May 2023**
- 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   **Shenzhen, China**
Technical Product Specialist   **Jul 2021 — Apr 2022**
- 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

The Optimization Firm   **Pittsburgh, PA**
Data Science Intern   **May 2020 — Aug 2020**
- Reimplemented Python package for ALAMO (Automated Learning of Algebraic Models) for modularity

Delta Electronics   **Wuhan, China**
Software Engineering Intern   **May 2018 — Jul 2018**
- Deployed OpenCV to identify assembly line product defect and achieved 7% increase in detection rate
- Implemented neural based model with Octave and PyTorch to predict probable new places of defect

PUBLICATIONS

- **Liangze Li**, et al. *Can Large Language Models really do math?* NeurIPS 2024 (Pending).
- Shih-Lun Wu, Yi-Hui Chou, and **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. *GPT-Sentinel: Distinguishing Human and ChatGPT Generated Content.* EMNLP 2023.

SERVICE

CMU Blackjack Society   **Carnegie Mellon University**
President   **Jan 2023 — May 2024**
- Organized Blackjack training and headed development of simulator to benchmark strategies

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