# Liangze (Josh) Li

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## EDUCATION

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|---|---|
| **Carnegie Mellon University** | **Pittsburgh, PA** |
| • Master of Language Technologies | Expected 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**
Chief Technology Officer                                                                          **Feb 2024 — Ongoing**
  • Spearhead development and deployment of generative AI on innovative LLM application 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                                                      **Dec 2022 — Aug 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
  • Designed product strategies alongside leadership team for ALAMO to strengthen usability

**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.

## INVOLVEMENTS

**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 30+ student-designed and -taught elective courses