

Liangze (Josh) Li

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EDUCATION

Carnegie Mellon University	Pittsburgh, PA
• Master of Language Technologies	Expected May 2024
Carnegie Mellon University	Pittsburgh, PA
• Bachelor of Science in Logic and Computation, Additional Major in Philosophy, High Honors	May 2021

EMPLOYMENT

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	
• Developed a strategy to contrast and visualize important out-of-domain adaptation ability of LLMs	
Carnegie Mellon University	Pittsburgh, PA
Teaching Assistant	Jan 2023 — Ongoing
• 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
Research Assistant	Dec 2022 — Aug 2023
• Led team of 6 to benchmark and deploy large language models (LLM) to build conversational agent	
• Applied knowledge distillation and prompting 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

- 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 (under review).

INVOLVEMENTS

CMU Blackjack Society	Carnegie Mellon University
President	Jan 2023 — Current
• 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	

SKILLS

Programming Languages: Python, Java, C(++), R, SQL, Octave/MATLAB, Standard ML, x86 Assembly

Tools & Frameworks: Git, GNU/Linux, PyTorch, Terraform, AWS, GCP, Spark, Hadoop, TensorFlow

Natural Languages: English, Mandarin, Cantonese, Other Chinese, *Russian (Intermediate)*