

# Liangze (Josh) Li

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## EDUCATION

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

## EMPLOYMENT

<b>Stealth Mode Startup</b>	<b>Remote</b>
<b>Chief Technology Officer</b>	<b>Feb 2024 — Ongoing</b>
• Spearhead development and deployment of generative AI on innovative LLM application for storytelling	
• Lead cross-functional team to orchestrate a data-driven operations initiative	
<b>Oracle Labs</b>	<b>Burlington, MA</b>
<b>Research Assistant Intern</b>	<b>May 2023 — Aug 2023</b>
• 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	
<b>Carnegie Mellon University</b>	<b>Pittsburgh, PA</b>
<b>Teaching Assistant</b>	<b>Jan 2023 — May 2024</b>
• 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	
<b>Carnegie Mellon University</b>	<b>Pittsburgh, PA</b>
<b>Tech Lead – Amazon Alexa SocialBot Challenge</b>	<b>Dec 2022 — Aug 2023</b>
• 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	
<b>Tencent</b>	<b>Shenzhen, China</b>
<b>Technical Product Specialist</b>	<b>Jul 2021 — Apr 2022</b>
• 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	
<b>The Optimization Firm</b>	<b>Pittsburgh, PA</b>
<b>Data Science Intern</b>	<b>May 2020 — Aug 2020</b>
• Reimplemented Python package for ALAMO (Automated Learning of Algebraic Models) for modularity	
• Designed product strategies alongside leadership team for ALAMO to strengthen usability	
<b>Delta Electronics</b>	<b>Wuhan, China</b>
<b>Software Engineering Intern</b>	<b>May 2018 — Jul 2018</b>
• 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.

## INVOLVEMENTS

<b>CMU Blackjack Society</b>	<b>Carnegie Mellon University</b>
<b>President</b>	<b>Jan 2023 — May 2024</b>
• Organized Blackjack training and headed development of simulator to benchmark strategies	
<b>CMU Student College Executive Committee</b>	<b>Carnegie Mellon University</b>
<b>President</b>	<b>Aug 2020 — May 2021</b>
• Coordinated with CMU registrar to deliver accreditation for 30+ student-designed and -taught elective courses	