

Yueqi Song (She/Her/Hers)

EDUCATION

BS/MS, Carnegie Mellon University

Aug 2020 - May 2025 (expected graduation)

Dual Degree in Computer Science, Stats and Machine Learning (Honors)

GPA: 3.75/4.0

Research Advisor: [Professor Graham Neubig](#)

Relevant Coursework: Advanced NLP, Multimodal ML, Experimental Design for Behavioral and Social Sciences, Machine Learning, Functional Programming, Computer Systems, Imperative Computation, Statistics, Microeconomics, Macroeconomics.

Computer Languages: C, Golang, Kotlin, Python, Standard ML, x86 assembly, Java, R, Typescript.

PUBLICATIONS

[7] **Beyond browsing: Api-based web agents** [\[Link\]](#)

Yueqi Song, Frank Xu, Shuyan Zhou, Graham Neubig

Under Review

[6] **Pangea: A fully open multilingual multimodal llm for 39 languages** [\[Link\]](#)

Xiang Yue*, Yueqi Song*, Akari Asai, Seungone Kim, Jean de Dieu Nyandwi, Simran Khanuja, Anjali Kantharuban, Lintang Sutawika, Sathyanarayanan Ramamoorthy, Graham Neubig

Under Review

[5] **OpenHands: An Open Platform for AI Software Developers as Generalist Agents** [\[Link\]](#)

Xingyao Wang, Boxuan Li, Yufan Song, Frank F Xu, Xiangru Tang, Mingchen Zhuge, Jiayi Pan, Yueqi Song, Bowen Li, Jaskirat Singh, Hoang H Tran, Fuqiang Li, Ren Ma, Mingzhang Zheng, Bill Qian, Yanjun Shao, Niklas Muennighoff, Yizhe Zhang, Binyuan Hui, Junyang Lin, Robert Brennan, Hao Peng, Heng Ji, Graham Neubig

Under Review

[4] **What Is Missing in Multilingual Visual Reasoning and How to Fix It** [\[Link\]](#)

Yueqi Song, Simran Khanuja, Graham Neubig

Under Review

[3] **An image speaks a thousand words, but can everyone listen? On image transcreation for cultural relevance** (*Best Paper Award*) [\[Link\]](#)

Simran Khanuja, Sathyanarayanan Ramamoorthy, Yueqi Song, Graham Neubig

EMNLP 2024 (*Best Paper Award*)

[2] **GlobalBench: A Benchmark for Global Progress in Natural Language Processing** [[Link](#)]

Yueqi Song, Catherine Cui, Simran Khanuja, Pengfei Liu, Fahim Faisal, Alissa Ostapenko, Genta Indra Winata, Alham Fikri Aji, Samuel Cahyawijaya, Yulia Tsvetkov, Antonios Anastasopoulos, Graham Neubig

EMNLP 2023

[1] **The Slowdown of the Chinese Economy** [[Link](#)]

Yueqi Song*, Yiru Wang*, Zhushan Xiang*

American Journal of Industrial and Business Management, 2019

TEACHING

Lead TA in CMU 15-213/14-513/15-513 (Computer Systems)

Pittsburgh, PA

Jan 2022 - May 2022

- Taught recitations that review coursework and prepare students for labs, assignments, and exams.
- Held office hours and answered more than 150 questions from students.
- Designed, wrote and proctored exams, wrote and graded labs and assignments.
- Received ratings of 5 stars from all students.

Volunteer teacher in Qijiazuo Middle School (Math, Economics, CS, English)

Hebei, China

June 2019 - Current

- Volunteered routinely as a teacher at a girls middle school in an impoverished mountainous area, Qijiazuo Middle School.
- Devoted 200 hours teaching students math, economics, computer science, and English.
- Designed practical learning activities to help students foster critical thinking abilities and enhance their problem-solving skills.

WORK EXPERIENCE

Software Engineering Intern at TurboTax, [Intuit](#) (Backend)

San Diego, CA

May 2023 - Aug 2023

- Developed TurboTax Taxbot on top of GPT-3.5 and GPT-4 through prompt engineering, enabling users to conveniently file their taxes in a conversational manner instead of dealing with traditional tax forms.

- Implemented an advanced question answering mechanism on TurboTax, integrating GPT-3.5 and GPT-4, empowering users to ask questions related to tax filings when using traditional tax forms.
- Automated big tests on tax data, enabling tax analysts to easily locate their interest.

Software Development Intern at [PreVeil, Inc.](#) (Frontend)

Boston, MA

May 2022 - Aug 2022

- Used Golang to add file status and modification time features to PreVeil's secure file sharing solution, reducing time complexity of PreVeil's file status checking from $O(n)$ to $O(1)$.
- Implemented prefix tree structure in syncing, reducing time complexity from $O(n)$ to $O(\log(n))$.
- Performed testing of software features and fixed functional bugs associated with file lock statuses.

HONORS

- Dean's List (High Honors): 2020, 2021, 2022, 2023
- CMU Undergraduate University Honors
- CMU School of Computer Science College Honors
- Best Paper Award: EMNLP 2024