

(last updated: May 24)

Haitong Chen

Email haitongchen116@gmail.com | Tel 415-794-5204 | LinkedIn <https://www.linkedin.com/in/haitongce/>

EDUCATION

University of Michigan M.S. Computer Science Aug 2023 - May 2025 (expected)

- Major Courses: HCI, Natural Language Processing, Machine Learning, Artificial Intelligence, Advanced Compilers, Programming Language
- GHC #23 attendee

University of California, San Diego B.S. Computer Science Sep 2021 - Jun 2023

- Major Courses: Software Engineering, Deep Learning, Computational Linguistics, Social Computing, Web Client Language, Data Structures, AI: Search and Reasoning, Operating Systems, Design and Analysis of Algorithms, Statistic Methods
- DEI and Leadership Experience: Team Lead and Secretary at [Women in Computing](#)

RESEARCH EXPERIENCE

Sun Yat-Sen University Guangdong, China
Research Assistant Apr 2023 - Sep 2023

- Improved the accuracy of using LLM (GPT - 4) to summarize Yelp review texts to 97%.
- Increased the number of business options to 195.6x to support an AI powered Slack bot.
- Reorganized scattered information from Yelp business dataset based on relevance using Python and Linux.
- Accepted as Late Breaking Work by CHICHI23.

Arthur C. Clarke Center San Diego, CA
AR/XR Developer Intern Jan 2022 - Jun 2022

- Added 5 interaction options to the browser widget by Blueprint visual programming in Unreal Engine.
- Increased color vibrancy to the power of 2.9, reduced latency by 12% to the browser widget.

WORK EXPERIENCE

Amazon Bellevue, WA
Software Development Engineer Intern Jun 2024 - Sep 2024

- TBD

University of California, San Diego San Diego, CA
Computer Science Instructional Assistant Sep 2022 - Jun 2023

- Collaborate closely with professors and TAs as a tutor for CSE 15L: Software Tools and Techniques.
- Lead weekly labs on using software tools, form discussions and help 6 groups of 8 students.
- Attend lectures, answer students' questions, and help plan lecture contents accordingly.

Amazon Web Services Dallas, TX
Technical Account Manager Intern Jun 2022 - Aug 2022

- Cut down cost by optimizing the storage plan for 1000+ GB files on AWS S3.
- Automated file upload, transfer of storage plans by writing Python scripts in Lambda.
- Speeded up and automated querying by deploying SQL scripts in Redshift through CloudFormation.

PROJECTS

PlotPatch ([link](#) to Github repository)

Mar 2024 - May 2024

- Built the entire web application using HTML, CSS, and Javascript.
- Queried Gemini API (Google AI) for single and multi-turn content generation, summarization, and QA.

Cactobot ([link](#) to Github repository)

Apr 2023 - Jun 2023

- Implemented 80% of the UI and 70% backend functionalities of the app with the Tkinter library in Python.
- Sent 10+ color signals with less than 5ms latency by connecting Raspberry Pi with RGB LED outputs.

PlanPal ([link](#) to portfolio)

Jan 2023 - Mar 2023

- Designed and prototyped a social computing application PlanPal that encourages socializing by easing decision making processes and giving recommendations based on users' preferences.
- Wrote tasks and scripts for user tests, moderated prototypes, analyzed data, and set priorities for sprints.
- Developed multiple iterations of interactive prototypes using Voiceflow chatbot agent.

ZooSeeker ([link](#) to Github repository)

Apr 2022 - Jun 2022

- Implemented 5/8 UI screens and 4/10 features of the application with Java in Android Studio.
- Ensured the usability and correctness by designing 5 tests, enhanced version protections through Git CI/CD.
- Shorten the project timeline by 1 sprint by carrying out Agile development in project management.

Little Chief

Jan 2022 - Mar 2022

- Organized meetings and assigned tasks to team members as a team lead.
- Wrote React scripts for REST APIs to build the framework and implement detailed I/O and interactions.
- Wrote CSS and HTML scripts to implement responsive hi-fi mobile and web pages designed in Figma.

TradeBot

Jun 2021

- Wrote Python scripts on Jupyter Notebook to implement web APIs from different trading platforms to monitor real-time tradebook data.
- Filled 1 successful transaction per 10 minutes and made 10% gross benefit on average.

SKILLS

- **Programming Languages:** Python, Java, C++, Javascript, HTML, CSS, C, MATLAB, R, Octave
- **Technologies:** Linux/Unix, Git, Zenhub, vim, JDB, AWS, MySQL, Jupyter Notebook, Agile Development
- **Certificates:** Google UX Certificate, Natural Language Processing with Classification and Vector Space, Machine Learning, Using Databases with Python, AWS Certified Cloud Practitioner