

Eric Hwang

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Education

HARVARD UNIVERSITY

Cambridge, MA

A.B. in Computer Science and Government (Anticipated). GPA 3.984.

May 2025 (Anticipated)

Relevant Coursework: Data Structures and Algorithms, Systems Programming & Machine Organization, Abstraction and Design in Computation, Introduction to Algorithms and Their Limitations

Relevant Experience

TIKTOK

San Jose, CA

Software Engineer Intern

May 2024 - Present

- Improved accuracy of large language model (LLM) tool by using Java to enable users to easily customize LLM responses with their own retrieval augmented generation, multi-agent reasoning, and more
- Optimized user experience on code editor extension by reducing load time from 9 seconds to < 0.4 seconds
- Allowed for code simplification in 22 projects by adding support for DELETE and PUT methods to tool that accelerates creation of REST APIs. Utilized React, Typescript, GoLang, Flask, and Gin

FAIR OPPORTUNITY PROJECT

Remote

Software Engineer Intern

February 2023 - August 2023

- Programmed on and served as leader of 4-engineer team that built web apps offering 3000+ underprivileged students free college advising
- Provided hundreds of users with 24/7 personalized assistance on completing complex financial aid forms by developing generative AI chatbot with retrieval augmented generation using Flask and React
- Increased mentorship capacity by 275% (175 more students mentored per year) by launching Fair Opp's primary web portal that eliminates hundreds of hours annually in repetitive manual tasks for volunteers

TECH FOR SOCIAL GOOD

Cambridge, MA

Senior Software Engineer

August 2022 - Present

- Led team of 5 software engineers each semester by programming the hardest tasks, teaching technical skills, planning system architectures, and communicating with clients to build solutions for social impact groups
- Automated delivery of customized carbon-reducing feedback to corporations by training LLM tool with Python and LangChain that is currently being integrated into a climate non-profit's services
- Increased government transparency by creating Django and React data visualization web app for City of Boston that summarizes over 1,500,000 municipal spending data points

Skills and Projects

Shelter Bed Waitlist Management Portal

- Saved local homeless shelter 400+ hours annually by using Next.js, Typescript, Supabase, and Google App Scripts to create web app that automates managing shelter bed requests and synchronizes data
- Implemented Google OAuth user authentication and managed corresponding Google Cloud

Rezzy: Reservation Automation Webapp

- Created web app to automatically notify users of cancellations for fully-booked reservations using Typescript, Next.js, Tailwind CSS, Selenium, and Flask
- Ran asynchronous logic on the cloud using Docker, AWS Elastic Container Service, and AWS Lambda

Programming: Python, Javascript, Typescript, C++, Java, OCaml, GoLang, C, SQL, CSS/HTML, MATLAB

Frameworks and Tools: React, Next.js, Flask, Tailwind CSS, Django, AWS, Docker, Postgres, LangChain

Foreign Languages: Native English, Professional Working Proficiency Korean, Elementary Chinese

Soft Skills: Leadership, communication, teamwork, teaching, learning quickly