



Edward Huang

edwhuang@umich.edu •  edwhuang23 •  edwhuang23 • edwhuang.me

EDUCATION

University of Michigan (Ann Arbor, MI)
B.S.E. Computer Science; Minor: Statistics

May 2022
GPA: 3.74

- Michigan Hackers (iOS Lead), MHacks Core, Undergraduate Research Opportunities Program

WORK EXPERIENCE

Amazon Web Services

Software Development Engineer, Foreign Exchange

New York, NY
September 2022 – Present

- Developed a ruleset versioning system that dynamically updates rules to manage changes to application behavior
- Migrated long-term credentials to use regionalized ephemeral credentials, increasing the security and durability of the service
- Created the metrics, alarms, and graphs of the FX service
- Planned and executed the migration of manual to IaC managed infrastructure of an active production system while ensuring 0% downtime, which is crucial to the launch of the service in a new region

Amazon Web Services

Software Development Engineer Intern, Payment Processing

Seattle, WA
May – August 2021

- Designed, implemented, and deployed to production a foreign exchange rate monitoring and alerting system to ensure updated rates are served to customers
- Led team design review meetings, evaluated technical tradeoffs between designs, and ensured exceptional code quality
- Utilized CDK to provision system infrastructure as code (IaC) for scalability to multiple regions globally
- Wrote integration and unit tests using mocking and dependency injection with Mockito and Google Guice achieving 88% code coverage

Michigan Medicine

Research Assistant

Ann Arbor, MI
October 2019 – April 2020

- Developed website served on Amazon Web Services displaying electrocardiograms (ECG) to improve accessibility for Michigan Medicine doctors to thousands of patient ECG records

Wonders Information Company

Full Stack Intern

Shanghai, China
May – July 2019

- Implemented website registration functionality and construction project review system serving millions of users
- Identified, documented, and fixed bugs through testing of website and created mockups for new features

RollOut Deliveries

iOS Software Engineering Intern

Ann Arbor, MI
July – September 2018

- Achieved minimum viable product peer-to-peer food delivery iOS application in 12 weeks
- Designed and implemented Uber/Lyft-style map UI using Google Maps, online shopping flow, and facilitated implementation of transactions using the Stripe API

SKILLS

Languages: C, C++, Java, Swift, HTML, CSS, JavaScript, SQL, Python

Technologies: Git, Django, Firebase, AWS, Bootstrap, Xcode, LaTeX, Flask, Heroku, PostgreSQL

SPECIALIZED COURSEWORK

Operating Systems, Web Systems, Information Retrieval and Web Search, Database Systems, Natural Language Processing