

Lucas Zhu

✉ alucaszhu@gmail.com ☎ 610-585-1891 📍 Philadelphia, Pennsylvania 🖱 lucasz-hu.github.io

Skills

Proficient: Frontend Web Dev, JavaScript, React, Java, Python, Git, HTML/CSS, Advanced Google Search
Familiar: TypeScript, C, MySQL, Adobe Suite, Fusion 360

Education

2024

University of Pittsburgh

B.S. in Computer Science, **Minor** in Economics

Relevant Coursework: Intermediate Object-Oriented Programming with Java, Algorithms and Data Structures, Discrete Structures, Assembly, Computer Systems

Professional Experience

05/2023 – 08/2023

Incoming Software Developer Engineer Intern, Amazon

05/2022 – 08/2022

Software Developer Engineer Intern, Amazon

- Migrated a LPT-based CodePipeline (Live Pipeline Template) to CDK-based (Cloud Development Kit)
- Researched OneBox deployment strategies for AWS Lambda-based services through CodeDeploy

09/2021 – 04/2022

Software Engineer, Mobius Materials [🔗](#)

- YCombinator-backed software startup that reduces e-waste by connecting buyers and sellers of used electronic components
- Tech stack: React, Django, Postgres.
- Reported directly to CEO
- Responsible for all frontend work and connecting frontend/backend for new features.

Projects

Command Line Personal Website, Github [🔗](#)

- Created a command-like user experience for my personal website.
- Used ReactJS+Astro and Tailwind

NBA Handicapping Model, Github [🔗](#)

- Engineered a handicapping model that produces a prediction of overall winner in a given NBA matchup
- Utilized four factors of basketball as well as momentum and value strategies to account for overall team performance and hot/cold streaks; built with Python

BitBots.trade

- Independently launched an online trading bot that exchanges bitcoin for in-game currencies, as well as an accompanying website
- Developed backend using a Bitcoin API, bcoin, Node.JS, and MySQL while customers interacted with the bot through the Steam platform
- Transacted \$1000+ of customer currency with 50+ users

Leadership and Awards

Technical Advisor, *Rayos Contra Cancer*. Provided technical guidance to a nonprofit that provides remote training for doctors in low-income countries.