Lucas Zhu

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Skills

Proficient: Java, Python, Git, HTML/CSS, Advanced Google Search

Familiar: C, Node.JS, JavaScript, React, MySQL, Adobe Suite, Fusion 360

Education

2024

Computer Science, University of Pittsburgh
Undergraduate in Bachelor of Science
Minor in Economics
Relevant Coursework: Intermediate Object-Oriented Programming with Java, Algorithms and Data Structures, Discrete Structures, Assembly, Computer Systems

Professional Experience

09/2021 – present

Software Engineer, Mobius Materials ⧉
- Connecting buyers and sellers of pre-owned electronics to help combat e-waste by reducing waste
- Responsible for Mixpanel integration to gather user data and empower business decisions
- Designed in Figma and implemented new front-end RFQ page
- Improved security by changing front-end webpages to use UUIDs

Projects

07/2021 – present

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

08/2021 – present

Personal Portfolio Website, Github ⧉
- Designed and coded a website to showcase my previous projects
- Built with HTML/CSS and Bootstrap 5, hosted on Github Pages

07/2021 – present

History Game, Github ⧉
- A high or low-inspired game that uses historical dates to test your historical knowledge
- Built with Python

03/2020 – 08/2020

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