

# Lucas Zhu

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## Skills

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Proficient: JavaScript, React, Node.JS, Java, Python, Git, HTML/CSS, Advanced Google Search

Familiar: C, MySQL, Adobe Suite, Fusion 360

## Education

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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

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09/2021 – present

### 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.
- Report directly to CEO
- Responsible for all frontend work and connecting frontend/backend for new features.

## Projects

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### PvP Wordle, Github [🔗](#)

- PvP Wordle clone where users can race against each other to guess the word
- Built with ReactJS, Node.JS and Socket.io

### Personal Portfolio Website, Github [🔗](#)

- Designed and coded a website with HTML/CSS and Bootstrap 5, hosted on Github Pages

### 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

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

**Volunteer**, *Girls Who Code*. Founding member of Pitt chapter, created and taught weekly lessons to 2nd-grade students.

**Pitt Psych Hacks**. Developed a chatbot to help promote body-positivity. Received 2nd place prize from a panel of judges.