

JEFF HUANG

503-443-0587 ◇ huangjeff.cs@gmail.com ◇ jeffhuang.tech

EDUCATION

Oregon State University

Corvallis, OR

Bachelor of Science in Computer Science — GPA: 3.71

September 2020 - Expected June 2024

- Clubs & Activities: CTF League, Linux Users Group (WebMaster), Security Club, App Dev Club

EXPERIENCE

Oregon State University Sustainability Office | *Vue.js, Node.js, AWS (RDS, SAM)*

Dec 2022 - Present

Software Engineer Intern

github.com/OSU-Sustainability-Office

- Improved mobile device accessibility for OSU Sustainability Office's [Energy Dashboard](#) website, using CSS Media Queries to adjust styling based on screen dimensions
- Created a building name search / energy filter system, allowing users to more efficiently pinpoint energy usage of specific buildings on campus
- Implemented an email alert system via Node.js, AWS ECS, and AWS SNS to automatically detect energy meter outages and data upload errors en route to the database, greatly improving site reliability
- Oversaw transition of CI pipeline from TravisCI to Github Actions due to limited resources / funding, saving an estimated 10% costs to OSU Sustainability Office monthly

UnitedHealth Group (Optum) | *React, Typescript, Java Spring Boot, Azure Cosmos DB*

June - Aug 2023

Software Engineer Intern

Irvine, CA

- Implemented search functionality for an internal website at Optum that keeps track of AI models
- Developed various frontend components using React, including search bar, filter checkboxes, and results page
- Used React Redux and Typescript interfaces to handle complex React state interactions between the search bar input, search filters, and query strings to send to the Java backend
- Wrote unit tests for frontend components using Storybook library, ensuring accessibility and good styling

PROJECTS

TalkToBeavs (Social Media) | *MongoDB, Express.js, React.js, Node.js*

github.com/Nyumat/TalkToBeavs

- Built a social media app for Oregon State University with over 150 active users
- Applied a universal design system using Chakra UI and Framer Motion for animations
- Orchestrated real-time text and video chat between random users by utilizing WebRTC and Socket.io
- Modeled database schema using Object Relational Mappers for MongoDB providing robust querying while also preventing SQL injection

HitRuns Records Bot | *Python, discord.py*

github.com/solderq35/hitrans-records-bot

- Developed a Discord bot for the Hitman 3 speedrunning community, with up to 20 active users
- Used Python Requests library to periodically send batch requests to hundreds of speedrun.com API endpoints, ensuring fast compute time for individual calculations
- Features statistics such as listing untied vs tied world records, sorting records chronologically by date, and sums of bests for full game categories, making it easier for Hitman 3 speedrunners to set goals and theorize

SKILLS

Languages

Javascript, Python, C, C++, x86 Assembly, HTML, CSS, SQL, Dart

Frameworks

React.js, Node.js, Flutter, Vue.js, Next.js, Puppeteer.js

Misc. Tools

Github Actions, Git, Docker, AWS (RDS, SAM, EC2, Cloudwatch, S3, etc)