JEFF HUANG

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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

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)

EXPERIENCE

Oregon State University Sustainability Office | *Vue.js, Node.js, AWS (RDS, SAM)* — *Dec 2022 - Present*
Software Engineer Intern | (Remote) — github.com/OSU-Sustainability-Office

- Used Vue.js and VueX to add search input by building name / energy type to OSU's Energy Dashboard, allowing users to more efficiently pinpoint energy usage of specific buildings on campus
- Implemented an alert system via AWS Elastic Container Service / SNS to automatically detect energy meter outages and data upload errors en route to the database, greatly improving site reliability
- Deployed webscrapers on AWS to extract data from third party vendors (e.g. Pacific Power), and updated Node.js API endpoints to correctly upload the new data to SQL database on AWS RDS
- 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

- Deployed a full stack Giphy API integration feature, allowing users to pick a GIF either a "trending" GIF, or search for a specific GIF by topic
- Implemented a WebSocket based text chat, sending user information between clients for an intuitive experience
- Improved UX by adding loading spinners where needed to account for asynchronous Redux / MongoDB updates
- Nominated by professor for "Hall of Fame" in CS 494 Advanced Web Development course

HitRuns Records Bot | *Python, discord.py* — github.com/solderq35/hitruns-records-bot

- Developed a custom Python Discord bot to track Hitman 3 speedrunning statistics via the speedrun.com API
- Features useful statistics not supported by the official speedrun.com site, including listing untied vs tied world records, sorting records chronologically, and sums of bests for full game categories
- The bot's added statistics allows Hitman 3 speedrunners to easily find long-standing world records to beat, and to theorize how to make improvements in full game runs