JEFF HUANG

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EDUCATION

Oregon State University <div align="right">Corvallis, OR</div>
Bachelor of Science in Computer Science — GPA: 3.69 <div align="right">*September 2020 - Expected June 2024*</div>

- 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 by using CSS Media Queries to adjust styling based on screen dimensions
- Developed a data visualization interface for comparing data across multiple time periods using Vue.js, Chart.js, and VueX state management library, making it easier to identify energy trends over time
- Deployed a Node.js CRON job script on AWS ECS to check the Energy Dashboard API for outages and send alert emails when needed, leading to decreased downtime from meter outages
- 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/hitruns-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)