JEFF HUANG

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EDUCATION

Oregon State University   Corvallis, OR
Bachelor of Science in Computer Science — GPA: 3.69   *2020 - Dec 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, Docker, SQL*   *Dec 2022 - Jun 2024*
Software Engineer Intern   /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 client-side data visualization interface for comparing data across multiple time periods using Vue.js, Chart.js, and VueX, making it easier to identify energy trends over time
- Deployed a containerized Node.js script via AWS ECR and Cloudwatch to check for meter outages daily and send alert emails, leading to greatly reduced downtime
- Created a wiki via Docusaurus to consolidate documentation from the office's various repos in one place, saving 40+ hours of labor when onboarding / mentoring new interns

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

Golf Drill Mobile App | *React Native, Expo Router, TanStack, Firebase*   /Golf-Drill-Challenge-App/Golf-App

- Developed a React Native cross-platform mobile app to improve data analytics and team management options for the OSU Men's Golf Team
- Ensured smooth and secure account management by using Google Firebase for user authentication, and React Context provider to track / redirect users based on login state
- Used TanStack Query to handle the caching of GET requests to Firestore, data refetching, and offline state persistence, ensuring a good balance between performance and data freshness

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

- Created a Python Discord bot that tracks Hitman 3 speedrun statistics, with up to 20 active users
- Use cases include keeping up with the latest world records, identifying long-standing records to beat, and calculating theoretical sum-of-best times for full game runs
- Implemented a daily cron job to collect and sync the latest data from hundreds of speedrun.com API endpoints to a Railway cloud storage bucket, ensuring fast and up-to-date bot queries

SKILLS

Languages	Javascript, Python, HTML, CSS, SQL, C, C++, Kotlin, Dart
Frameworks	React.js, React Native, Expo Router, Vue.js, Next.js, Node.js, Flutter, Puppeteer.js
Misc. Tools	Github Actions, Git, Docker, TanStack, Google Firebase, AWS (RDS, ECR, Cloudwatch, etc)