JEFF HUANG

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EDUCATION

Oregon State University   Corvallis, OR
Bachelor of Science in Computer Science — GPA: 3.68   *September 2020 - Expected June 2024*

- Clubs & Activities: CTF League, Linux Users Group, 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, Puppeteer.js
Misc. Tools	Github Actions, Git, AWS (RDS, SAM, EC2, Cloudwatch, S3, etc)

EXPERIENCE

Oregon State University Sustainability Office | *Vue.js, Node.js, AWS (RDS, SAM)*   Corvallis, OR
Student Systems Engineer   *December, 2022 - Present*

- Implemented a full-stack solution (frontend, backend, webscraper CRON job) for Energy Dashboard (site tracking energy usage on campus) to automate uploading and displaying solar panel data

- Fixed issue with our frontend data store logic to better handle insuffient amounts of data, and display data better on our solar panel / "Kilowatt Crackdown Campaign" graphs, for Energy Dashboard

- Debugged CORS errors and added wait time to API requests with Carbon Calculator to fix login / upload

- 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

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. Proxied the Giphy API through our own API to hide the Giphy API key

- 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

Full Game Time Calculator | *Javascript, HTML, CSS*   github.com/solderq35/fg-time-calc

- Developed a tool that stores race splits as part of the website URL, thus avoiding database costs (credits to the original Time Calculator from Gordon Smith for inspiration)

- Added integration with TinyURL API to shorten the links for better UI, improving stability and convenience

- Has been used in hundreds of Hitman full game speedruns, with a certified 100% approval rating (check here)

HitRuns | *Next.js, React Bootstrap*   github.com/solderq35/hitruns

- Developed a customized Hitman 3 leaderboard frontend, using data from the speedrun.com API

- Designed mobile-friendly, responsive navbars, and dropdown menus using React Bootstrap

- Added a feature to use Regex to specifically extract Full Game Time Calc links (see above) from run submission comments, making it easier for users to see run splits at a glance

- Features 50% faster loading times and responsiveness than the official speedrun.com site due to streamlining leaderboard features, and caching website requests periodically with GetStaticProps, a Next.js feature