BRANDON HUA

Software Developer

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CAREER SUMMARY

Full Stack Engineer with 5+ years of experience building scalable web applications in Python/Django, React, and SQL. Adept at developing and maintaining RESTful APIs, architecting database schemas, and integrating external data sources. Proven track record delivering high-impact tools for government agencies, emphasizing security, maintainability, and end-to-end ownership of projects.

TECHNICAL SKILLS

Front-End: React, HTML5, CSS3, JavaScript
Database: SQL (PostgreSQL, MySQL), query optimization

Back-End: Python (Django/Flask), REST API
Coding Practices: OOP, Scrum, TDD, CI, Unit testing

PROFESSIONAL EXPERIENCE

Web Developer | Colorado State University (OWSI) | Fort Collins, CO   Oct 2021 – June 2025
- Led development of ~12 web tools, including APIs and full-stack features, used by entities like the Colorado Department of Public Health & Environment and the City of Santa Barbara.
- Built and maintained RESTful APIs using Java to serve data to custom interfaces.
- Integrated public datasets (e.g., census) for advanced analytics and reporting.
- Developed secure role-based authentication and permissions systems.
- Collaborated with multidisciplinary teams to scope and deliver new features quickly while maintaining code quality.

CYBERSECURITY INTERN | Colorado State University (ACNS) | Fort Collins, CO   Dec 2018 – May 2021
- Automated centralization of department asset information for improved efficiency.
- Developed tools to evaluate and improve CSU's security posture.
- Co-authored whitepaper on YubiKey adoption for multi-factor authentication.
- Analyzed higher education security breaches to improve institutional defenses.

PROJECTS

- Developed Monopoly with a group of 4 using LibGDX as the game engine and principles such as MVC and DRY.
- Created a travel planner single page application using React that generated the shortest flight path given a list of destinations.
- Created a team randomization application for the game *Seven Deadly Sins: Grand Cross* using Electron. - https://bwhua.github.io/sdsgc-pvp-randomizer/

EDUCATION

MASTER'S DEGREE | Computer Science | Colorado State University   2019 – 2021
BACHELOR'S DEGREE | Computer Science | Colorado State University   2015 – 2018