

Brandon Huynh

Bellevue, WA | (425) 628-3636 | brandon.huynh@live.com | <https://www.linkedin.com/in/brandon-huynh/>

EDUCATION

California Polytechnic State University
BS, Computer Science

San Luis Obispo, CA
Graduation Date: Dec 2023

EXPERIENCE

Terran Orbital

Irvine, CA

Ground Software Engineer Intern

Jun 2023 – Sept 2023

- Designed and implemented tracing tool to monitor command progress using MySQL, Flask, and RabbitMQ. Features a RESTful API and provides traceability for failed commands.
- Enhanced ground station-to-spacecraft UI using TypeScript, improving data validation and clarity for mission operators.
- Standardized microservices: Upgraded applications from Python 2 to 3 and dockerized for development and production, ensuring uniform deployment.

Hack4Impact

San Luis Obispo, CA

Software Developer

Oct 2022 - Present

- Utilized MERN (MongoDB, Express.js, React.js, Node.js) stack to contribute to the development of a volunteer management system for Habitat for Humanity, a national organization.
- Implemented over 20+ API endpoints and integrated them with MongoDB and Express.js, enabling efficient data management and retrieval.
- Learned Git to track changes to website code and collaborate with a team of 8 software developers.

Digital Transformation Hub

San Luis Obispo, CA

Software Developer Intern

Jul 2022 - Jan 2023

- Organized internal tracking spreadsheets with over 2000+ entries, resulting in the efficient aggregation of company metrics.
- Expanded technical knowledge through training course on AWS services.

Cal Poly Computer Science Department

San Luis Obispo, CA

Computer Science Tutor

Jan 2023 - Present

- Facilitated independent problem-solving and debugging techniques, providing guidance to 25+ students on how to identify and fix errors in their code.
- Assisted students in understanding data structures, including arrays, linked lists, stacks, queues, trees, and graphs, and how to use them to organize and manipulate data.

PROJECT EXPERIENCE

Model Grocery Delivery System – Python, MySQL

- Built command line interface that handles concurrent users and transactions backed by a MySQL database.
- Generated over 100k rows of mock data adhering to normalized relational schemas.
- Wrote MySQL reporting queries allowing metric breakdowns selectable by user input.

ProfileDrop (Mobile App) – Flutter, Dart

- Built a mobile app with Flutter to connect nearby networking individuals by sharing relevant social media platforms using Android Studio and MapBox API.
- Worked closely within a team of 5, utilizing agile methodologies (e.g., Scrum, Kanban) – emphasizing the importance of deliverables and communication.

SKILLS & INTERESTS

Relevant Coursework: Systems Programming, Database Systems, Proj-Based Object-Oriented Prog and Design, Data Structures and Algorithms, Computer Architecture, Discrete Structures, Operating Systems, Intro to Data Science, Stat with R

Languages: Python, TypeScript, Java, JavaScript, C, MySQL, R

Tools: GitHub, React, MongoDB, Node.js, Docker, Pandas, Scikit Learn, Jira, Material UI