

Juan Beltran

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EDUCATION

B.S. Computer Science

Graduated: June 2022

University of Washington – Seattle, WA

Coursework: Data Structures, Software Design, Databases, Algorithms, AI, Vision, Web Programming, Mobile Apps

EXPERIENCE

CSE 14X Teaching Assistant

January 2022 – June 2022

- Provided extra support for student's struggling in intro programming classes who have minimal experience in programming prior to taking the class, students who are retaking the class or students dealing with exceptional circumstances.
- Held weekly one on one meetings with individual students to develop and follow a roadmap for success.
- Held office hours for help with homework or other questions weekly.
- Tutored students on intro programming concepts in Java (loops, arrays, linked lists, dictionaries etc.)
- Connected students to various resources on campus (professors, advisors, offices)

elphi – Software Engineering Intern

January 2021 – March 2021

- Designed and implemented user authentication flow, from password requirements to multifactor authentication.
- Implemented role-based access to different features
- Created security alerts for suspicious activity on customer's accounts
- Oversaw that software was ready to pass a third-party security audit
- Tools Used (Firebase, React, NodeJS)

UW SARP – Networks and Communications Developer

September 2019 – June 2021

- Developed communication between main flight computer and ground control through Wi-Fi and radio
- Developed API (C++, Python) to allow other teams to communicate with the various components on the rocket or with ground control.
- Wrote software for the onboard cameras (Python) which record the launch.

PROJECT

UW Internet Browser

- Built a modern web browser from the ground up.
- Support for tabs, bookmarks, links, files, and JavaScript webapps
- Tools Used (Python, DukPy)