
EDUCATION

- Oregon State Honors College, studying Computer Science with a current GPA of 3.95
- On track to receive an Honors Bachelor of Science Degree in 2020

SKILLS & ABILITIES

- Proficient in C++/C and Python
- Working knowledge in Javascript, Java, Haskell, and SQL
- Extremely familiar with most Linux distributions

EXPERIENCE

Propulsion Intern, SpaceX, Hawthorne CA (June 2018–September 2018, June 2019–September 2019)

- Developed software to design inducer blade geometry. Main purpose of this tool is to provide an alternative to ANSYS BladeGen for designing inducers found in turbopumps and will be used to design the inducers in the Raptor engine. Primarily written in Python, utilizes GUI interaction and OpenGL Python bindings to display the properties of the blade. After designing the geometry of the blade, the tool outputs files able to interface with various external CFD tools.

Teachers Assistant, Oregon State University, Corvallis OR (April 2018 – present)

- Responsible for grading, holding office hours, teaching class labs (20-30 students applying class concepts in an interactive setting), interacting with and assisting students in the CS160/161/162 courses. These three courses are the introductory classes for beginning Computer Science majors and are intended to be taken consecutively during the first year. Concepts range from an introduction to C++ to basic OOP concepts in C++ (polymorphism, inheritance, etc.)

Software Intern, BigML, Corvallis OR (Summer 2017)

- Worked in a team of interns with the BigML software to build predictive models and experience the technical aspects of machine learning. Tasked with writing and developing a project that will simplify the users experience through incorporating the built in API.

Cadet Sergeant, Corvallis Police Department, Corvallis OR (September 2015 – October 2018)

- The Cadet Program focuses on introducing students to Law Enforcement as a career by working to enrich and teach the community. A Cadet Sergeant's role is to help manage the program by interacting with officers, interviewing applicants, managing a team of Cadets, and working with the public to set up events focused on increasing community relations.

English Teacher through ILP, Nanjing, Jiangsu China (August 2017 – December 2017)

- Taught second and fourth grade students English through immersion in the Nanjing Foreign Language School as organized by the International Language Program (ILP). Duties included writing lesson plans for second and fourth grade classes and teaching the students English (2nd grade) and math in English (4th grade).

RECOGNITION AND PERSONAL DETAILS

- Lifeguard and CPR-AED certified through American Red Cross
- Eagle Scout
- Hobbies include swimming, tennis, and astronomy. Active member of Heart of the Valley Astronomers
- A team player with excellent technical, communication, and interpersonal skills