

Alex Pitts

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OBJECTIVE

My objective is to establish a career in software engineering. I have a strong interest in computer graphics, oceanography, aviation, automotive, photography, and music. In addition, I will have a bachelor's degree in Computer Science (Systems) from Oregon State University in June of 2022.

EDUCATION

Oregon State University, GPA 3.81

Jun. 2020 – June 2022

Bachelor of Science in Computer Science (Systems)

Corvallis, OR

- **Coursework:** Algorithms, Operating Systems, Software Engineering, Databases, Programming Language Fundamentals, Computer Graphics, Computer Architecture and Assembly Language
- Coursework has given me valuable C and python experience. I have also had opportunities to practice software engineering models preparing me to contribute to large teamwork-based projects immediately.

Linn Benton Community College, GPA 3.77

Sep. 2017 – Jun 2020

Associate of Science in Computer Science (Systems)

Albany, OR

- **Coursework:** Web Development, Data Structures, Digital Logic Design

PROJECTS

Academic Project: Small Shell (Operating Systems I)

- Designed and programmed a simple shell in C with similar functionality to BASH
- Gained a vast understanding of the Linux OS and how to use system calls

Academic Project: Mass Of a Celestial Object (General Physics with Calculus II)

- Collected orbital data of Jupiter's moons to calculate the planets mass
- Used outside of the box thinking and problem solving to collect orbital data with a DSLR camera and Photoshop
- **Tools Used :** DSLR Camera, Photoshop, Sinusoidal Regression

Academic Project: Home Website (Web Development for CS Majors)

- Designed a home website to host all of my assignments throughout the term
- Utilized many CSS tools including Grid and Flexbox
- Practiced using APIs to create custom tools (Example: recommending movies based on local weather)

EXPERIENCE

Linn Benton Community College

Jan. 2020 – Sep 2021

Computer Science Tutor

Albany, OR

- Tutored one-on-one and with small groups of students, giving me communication skills that I can apply in the workplace
- Tutored Intro to Computer Science, Programming in C, Web Development for CS Majors, and Data Structures
- Participated in several training sessions for tutoring, giving me strategies to teach people and identify gaps in their learning techniques

SKILLS

Languages : C, C++, Python, SQL (MySQL), Java, HTML/CSS, Javascript, Assembly

Tools : VS Code, Visual Studio, Git, Lightroom, Photoshop

Equipment : DSLR cameras (wildlife, astrophotography)