Alex Pitts

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Competencies

Languages : C, C++, Python, SQL, Java, HTML/CSS, Javascript, Assembly, Regex, Bash
Professional : Work effectively with a diverse team, excellent communication and technical skills, strong multitasking skills, data analysis, independent decision making, customer service, higher education, Microsoft Office Suite
Tools : VS Code, Visual Studio, Git, AWS, VirtualBox, Linux, WSL, Zoom, Google Meetings, Trello, Teams, Slack, Discord

EDUCATION

Oregon State University, GPA 3.88   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 and Shaders, System Administration, 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

Capstone Project: Programmed Ocean-Going Robots to Observe Wave Conditions
- Design and implement a data processing pipeline for raw ocean wave acceleration data
- Created Python programs to work with NetCDF and CSV files
- Utilized NumPy, Pandas, Scripy, NetCDF, and Matplotlib to process ocean wave data, preform calculations, and display output

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

EXPERIENCE

Linn-Benton Community College   Jan. 2020 – Sep 2021 (1 year 8 months)
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

Self Employed   2012 – present (10 years)
Computer Support   Sweet Home, OR
- Computer builds, desktop and laptop troubleshooting and repair, software instillation, data recovery
- Smartphone troubleshooting and repair
- Office equipment setup, routers, printers