Maxwell Oakes

Computer Science Graduate Student

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Portland, Oregon 📍

Experience

09/2018 – 12/2020
Nursing Education Coordinator (Administrative Coordinator)

Orbis Education | Portland, OR

- Wrote a variety of programs in Python to automate previously tedious tasks, frequently saving several hours of work per week
- Developed academic calendar used by over 400 concurrent students across multiple locations
- Created workflow of all tasks performed by nursing admin team, allowing for timely task allocation in a growing nursing program
- Coordinated 120 incoming students per semester to ensure compliance with mandatory hospital clinical site safety and vaccination standards

11/2016 – 05/2017
Student Web Developer

University of Portland | Portland, OR

- Developed Java web applets for use by students and faculty using the MVC design pattern
- Convened with faculty and university staff to outline requirements for new web applications
- Improved existing Java web applets by identifying and fixing several bugs and adding functionality

01/2010 – 11/2013
Hardware Evaluator (Volunteer)

Free Geek | Portland, OR

- Disassembled a variety of donated computers and determined whether parts are to be reused or recycled by following established procedures
- Sorted computer components based on technical specifications, requiring the ability to quickly inspect physical hardware and BIOS information
- Installed software and performed quality assurance on outgoing computers using the Ubuntu operating system

Education

03/2021 – 03/2023 (Expected)
Master of Science, Computer Science

Portland State University

- 4.0/4.0 GPA
- Systems and Networking Track
- Phi Kappa Phi Honor Society

08/2013 – 05/2017
Bachelor of Science, Computer Science

University of Portland

- 3.28/4.0 Overall GPA
- 3.41/4.0 Major GPA

Technical Skills

Languages

- Java, Python, C#, C/C++, HTML/CSS, SQL (PostgreSQL, MySQL), JavaScript, React

Tools

- GitHub, xUnit, Visual Studio, Eclipse, Microsoft Office, Active Directory, Linux

Projects

Steam Compare

- Worked in a team of 3 to build a React app that can fetch any public Steam profile using Steam's Web API, then displays various information about the user

Python IRC

- A Python-based internet relay text chat service that uses client-server architecture with room and whisper functionality

Gamepad Driver

- A Linux out-of-tree kernel module written in C used to interpret button presses of a USB gamepad controller