

# Maxwell Oakes

m.oakes017@gmail.com | (503) 354-4264 | Portland, Oregon | [maxoakes.github.io](https://maxoakes.github.io)

## Education

---

### Master of Science, Computer Science

03/2021 – 03/2023 (Expected)

*Portland State University*

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

### Bachelor of Science, Computer Science

08/2013 – 05/2017

*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, Linux, Unity Game Engine

## Experience

---

### Nursing Education Coordinator (Administrative Coordinator)

09/2018 – 12/2020

*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

### Student Web Developer

11/2016 – 05/2017

*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

### Hardware Evaluator, Volunteer

01/2010 – 11/2013

*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

## 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