Eli Burch

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Portfolio: redawl.github.io/Portfolio **Github:** github.com/redawl

Education

Portland Community College | September 2016 – August 2020

- Associates of Science in Computer Science

Portland State University | March 2020 – Present | Expected Graduation: Summer 2022

- **Major:** Computer Science, B.C.S; Senior standing; GPA of 3.78
- **Minor:** Mathematics
- **Programming Coursework:** Data Structures and Algorithms, Programming Systems, Operating Systems, Intro to Networking Fundamentals, Intro to Computer Security, Intro to Database Management Systems

Skills

Software: Visual Studio, VS Code, Microsoft Word/Excel

Programming: Git, C/C++/C#, Java, Python, HTML/CSS, OpenGL, BASH, MySQL, PostgresQL

Work Experience

Computer Action Team (CAT) (IT Department)| Portland State University | September 2020 - Present

- Assist students and professors in setting up VPNs, provide maintenance to Linux and Windows servers, diagnose software issues, and other various IT tasks for the Maseeh College of Engineering at PSU.
- Implemented a webform using PHP and HTML to assist with the retrieval of deleted files in Linux and Windows environments.
- Assisted in creating networking documentation to help interested users understand how networking works within the Maseeh College of Engineering.
- Active member of the UNIX team that helps maintain Ubuntu and CentOS student/faculty-use servers. Common tasks include adding software packages per user request, debugging login errors, and deploying advanced engineering software onto servers.

Produce Clerk | Fred Meyer | June 2017 – Present

Notable Projects

Differential Equation Vector Field Generator

- Given two differential equations, generates the corresponding vector field onto a graph. Written in C++ using OpenGL for graphics processing.

Google Foobar

- Applied my problem solving skills and knowledge of Dynamic programming and algorithms to create efficient solutions to levels 1 through 3 of the Google Foobar Challenge