Maxwell Oakes

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Professional Summary

Tenacious and detail-oriented computer science graduate seeking to design and create innovative and user-friendly applications. A life-long learner who always desires to know more about recent developments in advanced technologies and innovations in computer science.

Education

Master of Science, Computer Science   Mar 2021 – Mar 2023
Portland State University

- 4.0/4.0 GPA; Phi Kappa Phi Honor Society
- Relevant Coursework: Database Management Systems, Fullstack Web Development, Unit Testing, Software Testing and Implementation, Internetworking Protocols, Computational Imaging
- <u>Relevant Technical Skills</u>: Python, HTML/CSS, JavaScript, React, SQL (PostgreSQL), C#, Github, Unit Testing

Bachelor of Science, Computer Science   Aug 2013 – May 2017
University of Portland

- 3.28/4.0 Overall GPA; 3.41/4.0 Major GPA
- Relevant Coursework: Analysis of Algorithms, Programming Languages, Data Structures, Object-Oriented Design, Remote Sensing & GIS
- <u>Relevant Technical Skills</u>: Java, C#, C/C++, SQL (MySQL), ArcGIS

Experience

Administrative Coordinator   Sept 2018 – Dec 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 administrative team, allowing for timely task allocation in a growing nursing program
- Collaborated with 2 other education coordinators to ensure 120 incoming students per semester were in compliance with mandatory hospital clinical site safety and vaccination standards

Student Web Developer   Nov 2016 – May 2017
University of Portland | Portland, OR

- Designed and maintained multiple MVC architecture Java web applets that were used by university tutoring faculty and prospective students
- Convened with university faculty to outline requirements for new web applications
- Improved existing Java web applets by identifying and fixing several bugs and adding functionality

Projects

James Webb Space Telescope Spectrum Analyzer, *Solo Creator*   Winter 2023

- Created a Python program to download and combine James Webb Telescope infrared imaging data
- Utilized Python's scikit, NumPy and Astropy libraries to manipulate and combine image layers

Steam Compare, *Team Member*   Spring 2021

- Worked in a team of 3 to build a front-end React app that can fetch any public Steam profile using Steam's Web API, then displays various information about the user
- Utilized HTML, CSS and JavaScript with React to call existing Web APIs