**Derek Russell**

Github: drussell33

**PROFILE**

A Post-Bacc Student obtaining a BS in Computer Science. Has skills in retail / hospitality management and employee training that will benefit a future career as a Software Engineer.

**EDUCATION**

***Western Oregon University,*** Monmouth, OR

Bachelor of Science, Computer Science, GPA: 3.90 expected June 2021

Subjects studied: Software Engineering, Programming Languages, Databases, Agile

***University of Oregon,*** Eugene, OR

Bachelor of Science, Anthropology graduated June 2009

Subjects studied: Data Acquisition and Cataloging Methods, Business Minor

**SKILLS**

*Coding languages:* C#, C++, Python, JavaScript, SQL, HTML/CSS

*Most used tools:* Git, Visual Studio, .NET Core MVC, Visual Studio Code, Hyper

**PROJECTS**

***ASP.NET Core MVC Web Application Suite*** (2020)

* Created weekly projects in CS 460 that focused on SQL Database CRUD functionality, entity framework, full stack development, and git repository usage.
* Various projects include an Assignment Tracker, Music DB search engine, AJAX and JS page building using an API, and page design with html / css / bootstrap in MVC.

***Designing a Blockchain in Python*** (2020)

* Final project for a Seminar Course, CS 407, Introduction to Blockchain where we constructed a basic blockchain using python and with wallet functionality and transactions between nodes.
* Wrote code for the wallet, node, transaction, block, and blockchain using libraries like SHA256 Hash, Crypto RSA, JSON, and pickle.

**Using ANTLR4 to parse a CSV file to JSON** (2020)

* Found open source data on food products and wrote the grammar, parser rules, lexar rules and visitor to extract any data on recycling capabilities from a CSV format
* Used ANTLR4 in Visual Studio Code with node.js to output the file in JSON format.

**EXPERIENCE**

***Best Western University Inn Plus,*** Moscow, ID

Night Auditor / Night Manager (September 2014 - January 2016)

* Manage / Compile and Audit all Hotel, Convention Center, Bar, Restaurant, and Event Business during the graveyard shift while overseeing the closing and opening of all departments.