Morgan Stimpson

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Skills

Technical Skills

- Languages: Java, Python, C, C#, C++, R, JavaScript, SQL, HTML, CSS, PHP, .NET, Scheme, NetBSD
- Tools: React, Expo, Android Studio, PyTorch, Anaconda, REST, Docker, Node.js, SciKit Learn
- Environments: Windows, Linux, MacOS
- Agile and Waterfall development
- Full stack development
- Version control

Soft Skills

- Verbal/Written Communication
- Time Management
- Team Leadership
- Self-Driven
- Quick learner
- Beer Brewing
- Adaptability

Projects

Deadwood   **Object Orientated Design, Winter 2020**

- Used object orientated design to develop a model view controller-based game design.
- Worked with JavaFx to create a general user interface for the game to be intuitive.
- Developed with XML to create and store game data.

Firewall   **Network Systems, Spring 2020**

- Demonstrated my knowledge of servers and networking by creating a firewall on a virtual machine.
- Programmed my firewall to identify malicious IPs and created a blacklist of said IPS to share.
- Communicated with other virtual machines to share a master blacklist of banned IPS.

Miniature Operating System   **Computer Systems II, Winter 2020**

- Created my own Micro Kernel using Process Synchronization and Multithreading.
- Developed system calls such as echo, argument parsing, and environment variables.

Stock Trading Algorithm   **Database Systems, Fall 2019**

- Queried with SQL to pull 25+ business over 10 years to gather stock trading information.
- Developed an algorithm to predict optimal time to invest in stock and when to liquidate stock.

Machine Learning Algorithm Development   **Machine Learning, Fall 2020**

- Used multivariable calculus and linear algebra to develop supervised machine learning algorithms.
- Designed a machine learning pipeline on a 30k point data set to determine protein binding affinity.

Education

Bachelor of Computer Science, Western Washington University   **March, 2021**

- Led a team of 6 software engineers to develop for WWU's Sea Discovery Center for a year.
- Continuing education in machine learning, cloud computing, and software design.

Experience

Shift Manager, Sajan Inc., Bellingham, WA   **February, 2020 – October, 2020**

- Excelled in every position and regularly supported front staff to keep expertise fresh and relevant.

- Surpassed Covid-19 standards of cleanliness as to best keep everyone safe.
- Kept employees operating productively working on task to exceed business and customer needs.

Resident Adviser, Western Washington University   **August, 2017 – June, 2019**
- Liaised between community programs, residents, and counseled 75 residents.
- Provided emotional support, counseling to residents, and developed healthy support groups.
- Strategized to improve resident care, satisfaction and held weekly meetings with directors to advocate for resident needs.