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# Morgan Stimpson

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## Projects

- Deadwood****Object Orientated Design, Winter 2020**
  - Used object orientated design to develop a model view controller 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 to share.
  - Communicated with other virtual machines to share a master blacklist of banned IPS.
- Miniature Operating System****Computer Systems II, Winter 2020**
  - Exhibited Process Synchronization and Multithreading by developing my own Micro Kernel.
  - Created system calls such as echo, argument parsing, and environment variables.
- Stock Trading Algorithm****Database Systems, Fall 2019**
  - Queried with SQL to pull large amounts of stock trading information.
  - Developed an algorithm to predict when loss would occur on a stock and when to buy/sell stocks.
- Machine Learning Algorithm Development****Machine Learning, Fall 2020**
  - Used linear algebra and multivariable calculus to develop supervised machine learning algorithms.
  - Designed ml algorithms on a 30k point data set to determine the binding affinity of proteins.

## Skills

### Technical

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

### Soft Skills

- Excellent communication
- Time management
- Team leadership
- Self-Driven
- Quick learner
- Beer Brewing
- Adaptability

## Education

- Bachelor of Computer Science,****March, 2021**  
**Western Washington University**
  - Led a team of 6 people to develop software for Western Washington University'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, Bellingham, WA****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.