MISHA WARD

☎ 206.981.7777 **in** linkedin.com/in/mishaward ✉ wardm5@uw.edu ⚙ github.com/wardm5

TECHNICAL SKILLS

Programming: Java, Python, C++, SQL, C#, Swift
Operating Systems: Linux, Windows, Unix
Course Work: Cloud Computing, Machine Learning, Database Systems, Data Structures and Algorithms
Cloud and Big Data: *AWS* - S3, DynamoDB, EC2, Spark, PostgreSQL| *Azure* - Cosmos DB, Blob Storage
Web Design: JSON, REST APIs, HTML, CSS, JavaScript

EDUCATION

Bachelor of Science, *Computer Science*   **June 2019**
University of Washington, Bothell WA

Bachelor of Arts, *Business Administration, Finance*   **December 2013**
University of Washington, Bothell WA
- Elected Chair of the Student Technology Fee Committee tasked with allocating $400,000 of student fees

EXPERIENCE

Data Engineering Fellow, Insight Data Science   **January 2020 - Present**
AutoRecruit, GitHub Analyzation Tool - Python, Spark, SQL, CSS/HTML
- Architected a ETL pipeline utilizing S3, **Spark**, PostgreSQL, and Dash/Flask for over 356Gb of data
- Built a dynamic dashboard using a Flask app for recruiters to view and analyze a candidate's GitHub profile
- Implemented API, web app, and pipeline using Python and object oriented principles for scale and reusability

Mobile Software Engineer Intern, T-Mobile   **October 2018 - June 2019**
iOS Development for the T-Mobile Tuesday Application - Swift, JavaScript, HTML/CSS
- Updated front end features on the T-Mobile Tuesdays iOS app using **Swift** enhancing end user experience
- Created an iOS application, utilizing OO principles and internal login APIs for future A/B testing playground
- Used and worked in collaborative environment using Agile/Scrum methodology
- Utilized BitBucket to add software updates to the main code source each week

PROJECTS

Quiz Web Application, Cloud Computing - C#, Javascript, CSS/HTML   **Fall 2018**
- Built a full stack, dynamic online website for users to play a quiz game and REST API
- Implemented the front end layer using **Javascript**/ASP.NET framework
- Developed **C#** service layer that fetched, inserted data into database, and retrieved quiz API data for users
- Stored user data, such as login credentials and quiz scores, in **DynamoDB** allowing for quick access to info

Weather Application, Cloud Computing - Java   **Fall 2018**
- Programmed **Java** application retrieving 3rd party API data to format and display for users
- Created server that made HTTP requests to fetch weather data given a city parameter
- Converted data from JSON to custom **Java** model and displayed formatted data to user
- Tested and debugged various edge cases to ensure proper user input and output

Wine Classification, Machine Learning - Python   **Summer 2018**
- Classified wine using **Python** into three categories using 10 machine learning algorithms
- Included various models including K-Nearest Neighbor, Logistic Regression, and Neural Networks
- Calculated average accuracy after 10-fold cross validation reached 99.3% using three classification labels
- Wrote and presented final report to class describing algorithms, research methodology, and results

Fun fact: I make a mean bowl of Kraft original Mac N Cheese!