# MISHA WARD

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## 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 guiz 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!