MISHA WARD

206.981.7777   linkedin.com/in/mishaward   wardm5@uw.edu   github.com/wardm5
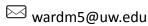
TECHNICAL SKILLS

Programming: Java, Scala, Python, Ruby

Operating Systems: Linux, Windows, Unix

Course Work: Cloud Computing, Data Structures and Algorithms, Database Systems, Machine Learning

Cloud and Big Data: *AWS* - S3, DynamoDB, EC2, RDS, SNS, SQS | *Azure* - Cosmos DB, Blob Storage

Web Design: JSON, REST/RPC 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

Software Development Engineer, Amazon.com   **Augst 2020 - Present**

Whole Foods Market Backend Engineer - Scala, Ruby, Java, TypeScript
- Designed and implemented in Scala to make new SNS events for tens of critical downstream systems
- Brainstormed and increased new unit and integration test coverage for critical services by ~50% of use cases
- Reduced system strain by 100s of calls by adding a new RPC API in Scala to handle batch calls
- Researched and implemented canary monitoring for services using TypeScript and AWS CloudFormation, preventing finding errors via customer outreach

Data Engineering Fellow, Insight Data Science   **January 2020 - June 2020**

AutoRecruit, GitHub Analyzation Tool - Python, Spark, SQL, CSS/HTML
- Architected a ETL pipeline utilizing S3, Spark, PostgreSQL, and Dash/Flask by processing 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
- Successfully launched new front end features on the T-Mobile Tuesdays iOS app using Swift
- 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

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

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