

EDUCATION

University of Washington **Seattle, WA** **Aug 2016 – March 2020**

- B.A. in Mathematics, March 2020. GPA: 3.41
- Undergraduate Coursework: Data Structures; Algorithms; Database Management; Linear Optimization, Number Theory; Probability Theory; Linear Algebra; Multivariable Calculus; Statistics; Statistical Software.

TECHNICAL EXPERIENCE

The Seattle Weather Bot (2020). https://twitter.com/bot_seattle. Java, Heroku, Maven, IntelliJ.

- Created a Twitter bot that tweets daily weather updates for the city of Seattle, WA.
- Made use of external APIs and deployed on Heroku, a cloud PaaS.
- Gained over 100 interactions in the first week of deployment.

Flight Booking Service (2020). Java, SQL, Microsoft Azure, Visual Studio.

- Designed and implemented a flight booking application that creates and logs in users, searches for flight itineraries, and manages user reservations.
- Users can log in, search, and book a flight, and then pay for or cancel bookings at their pleasure.
- Handled transaction management; maintained database consistency by enforcing ACID properties.
- Practiced basic query optimizations and performance tuning.
- Partner based project for Database Management (CSE 414).

Maze Generator (2019). Java, IntelliJ.

- Handled back-end development for a maze generator.
- Creates a randomly generated maze and finds the shortest path that solves it.
- Partner based project for Data Structures and Algorithms (CSE 373).

Extracurriculars

Business Impact Group UW, Core Consultant **Spring 2019**

- Created a long-term marketing plan after thorough financial analysis to help the client become well known and increase brand awareness.
- Assisted the financials regarding investment of multi-media marketing and created a short-term implementation plan that would help determine Key Performance Indicators.

Korean Student Association @ UW, President **May 2018 – June 2019**

- Led 30-plus executive board members and managed a group of 400-plus members.
- Increased membership by 15% in the first quarter of the 2018-2019 school year.
- Represented the group in campus-wide committees; hosted both small and large group meetings.

Languages and Technologies

- Proficient in Java, SQL, R. Basic proficiency in Ruby, Python and MATLAB.
- IntelliJ; Visual Studio; Eclipse; Maven; Postgres SQL; Heroku; Microsoft Azure.
- Basic proficiency in Korean and American Sign Language.