

EDUCATION

University of Washington

Seattle, WA

Aug 2016 – March 2020

- B.A. in Mathematics. 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 AISONG1.GITHUB.IO

Chat Server (2020). <https://glacial-oasis-25368.herokuapp.com>. JavaScript, Node.js, HTML, CSS, Heroku, Visual Studio.

- Built a basic chat server for desktop and mobile users.
- Handles browser to server communication using WebSockets with socket.io.
- Announces when a user enters/leaves the chat and keeps a user count.

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 Server, 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).

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.