

# Hyesu Lee

## Software Engineering Student

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### Career Objectives

A diligent university student who is always eager to challenge herself. Aiming to obtain a co-op 2021 or summer 2021 internship that would further expand my knowledge about software engineering, data analysis, and data science.

### Programming Languages / Tools

- Java: 3+ years
- MatLab: 1 year
- JavaScript, PHP, HTML/CSS: 3 months
- **Familiar with** Python, Shell script

### Summary of Qualifications

- An attentive listener and a fast learner.
- **Fluent in** Korean and English
- **2 years of experience in** Spanish
- **Currently learning** German

## EDUCATION

### University of Washington, Seattle

#### **BS in Applied & Computational Mathematical Science**

Sept 2017 - Mar 2022 (Expected)

- Scientific Computing and Numerical Algorithms track | **GPA: 3.45**
- **Courses expected by June 2020:** Data Structure and Algorithms, Machine Learning, Data analysis, Programming for Scientific Computing
- Involved in the Society of Women Engineers (SWE), TEDxUofW - Financial Logistics

## WORK EXPERIENCE

### UW Computer Science & Engineering, Seattle, WA

Jan - Dec 2019

#### **Java Programming Class Teaching Assistant**

- Serve as a TA for 3 quarters for CSE 14x, which are introductory to Computer Science taught at the UW. The course is taught in Java
- Prepare and teach a section of 20+ students to help them understand the programming concept
- Grade students' weekly programming assignments and exams with the goal of keeping consistency across each student and giving clear feedback

### CL development, South Korea

Jul - Sept 2019

#### **Summer Intern**

- Participate in government research to develop indoor UAV with object avoidance algorithm
- Work on hardware and testing, but provide feedback on the program and its algorithm
- Bring 1 month delayed project back on schedule
- Successfully finish flight tests with final UAV design
- Lead seminar of C coding and basic programming concepts and strategies

## PROJECTS

### Data Analysis, Seattle, WA

Jan - Mar 2019

#### **Undergraduate student**

- Learned different methods of data analysis including Fourier transformation, Gabor transformation, Singular Value Decomposition, ML algorithms
- Worked on one or two projects on each method and summarize the project in Latex format
- Published on GitHub

### Movie helper website, Seattle, WA

Nov 2018

#### **Personal project**

- Use movie database API to build a website that provides currently playing movie information
- Later further implement movie review section where users can write own review or read other's
- Development languages: HTML, CSS, JavaScript, and PHP
- Tools: Visual Studio and Postman