

# Hyesu Lee

## Software Engineering Student

|| +82 10-5966-3018  
|| hyeslee99@gmail.com  
|| linkedin.com/in/hyesu-kelly-lee/  
|| github.com/HyesLee99  
|| https://hyeslee99.github.io/Portfolio

### 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.

### Technical Skills and Coursework:

- Java: 3+ years
- MatLab: 1+ year
- JavaScript, PHP, HTML/CSS: 3 months
- Data Structure and Algorithms
- Computation Method for Data Analysis
- Scientific Computing

## 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**
- 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 an introductory computer science course taught at the UW.
- 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
- Mainly work on hardware and testing
- 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

### FinanceU

Aug 2020 - Current

#### **Personal Project**

- Website that keep tracks of income and spending with the option of choosing currency
- Program in HTML, CSS, JavaScript

### Data Analysis Projects

Jan - Mar 2020

#### **Course Project - Undergraduate Student**

- Learn different methods of data analysis including Fourier transformation, Gabor transformation, Singular Value Decomposition, Machine Learning algorithms
- Work on one or two projects on each method, summarize and report each project in Latex format
- Programmed in MatLab planning to revise the project with Python

### Hopfield Neural Network term paper, Seattle, WA

Sept - Dec 2019

#### **Team Participant**

- Research and write mathematical term paper on Hopfield Neural Network
- Argue its appropriate usage for Machine learning

### Movie helper website, Seattle, WA

Sept - Dec 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