

JUN HA LEE

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EDUCATION

University of California - Davis

Bachelor of Science in Computer Science
- Dean's Honor List

Expected Graduation 2024

Dwight School Seoul

International Baccalaureate Diploma
- Student Council President
- Honor Roll

August 2015 - June 2018

WORK EXPERIENCE

Road to Success Education

Web Developer / HTML, LaTeX

- Created online testing platform that provides practice standardized test for high school students
- Modified user management platform structure for automated grade reporting system
- Taught high-school mathematics, physics, and chemistry

Seoul, Korea

April 2021 - August 2021

ROK Army The 37th Infantry Division

Satellite Operator, Squad Leader

- Managed satellite communication channel to serve as a form of backup communication
- Implemented framework to use satellite for communication in any remote area
- Operated cryptographic equipment and radio/frequency antennas
- Translated for ROK-US joint military exercise

Chungcheongbuk-do, Korea

October 2019 - April 2021

SOFTWARE PROJECTS

Battleship / C++

- Created Battleship game with varying user configuration through object-oriented programming
- Implemented three different modes of playing between AI and human with options for difficulty
- Developed smart AI that performs based on previous events and actions

SearchBooks / C++

- Created a program that catalogs books and searches requested books using linear search and binary search
- Analyzed and justified the time complexity for each search and the application in a real-life situation
- Used operator overloading to effectively sort with multiple criteria

THESIS

Determining the length of a knot by Lagrange polynomial interpolation

- Compared the calculation of length by using Lagrange interpolation of different degree with Gaussian quadrature
- Performed error analysis of different crossing numbers of knots and to the theoretical length by definite integral

SKILLS

Languages: English - Fluent, Korean - Fluent
Programming Languages: C/C++, HTML, Python
Technical Skills: Adobe Illustrator, Adobe Photoshop