

Soo Yeon Ahn

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Education

University of Illinois Urbana - Champaign

Mathematics and Computer Science

Dean's List: Fall 2022, Spring 2023

August 2021 – May 2025

Overall GPA: 3.89 / 4.00

University of Washington, Seattle

Biological and Physical Sciences

Annual Dean's List: 2020 – 2021

2020 – 2021

Overall GPA: 3.99 / 4.00

Work Experience

Dassault Systèmes (Korea)

July 2023 – January 2024

Software Engineer Intern

- Developed software based on OOP using C++ and COM for 3D modeling programs
- Developed functions used by 300,000+ organizations worldwide
- Used Sypstyle to develop UI for customers
- Effectively communicated with global colleagues in various countries to develop products

Course Projects

Software Design Lab

- Collaboratively created a machine learning project that performs Optical Character Recognition (OCR)
- Effectively created an application that uses OCR to highlight specific words and recognize printed text with any given image that contains text using OpenCV and Pytesseract

Data Structures

- Collaboratively worked on a project to rank the priority of web pages depending on the search keyword
- Implemented the Page Rank algorithm for the project to calculate the ranking of each page using graphs

Intro to Computer Science II

- Collaboratively created a project that sets color filters on images
- The images can be converted to Redscale, Greyscale, Bluescale, Greenscale
- Another additional filter included mosaic, allowing images to be blurred

Assistant Experience

University of Illinois Urbana – Champaign

January 2022 – May 2023

Course Assistant

- Communicate with students 4 – 6 hours a week during office hours to explain C++ concepts, basic data structures, basic traversal algorithms, etc.
- Held discussion sections with ~20 students every week for 1 hour and 15 minutes for revision, presented live C++ examples on VSCode, and answered questions
- Guided students in the right direction on coding foundations and the weekly coding projects on the course forum

Additional Skills

Programming Languages

C++, C, Python, Java, MATLAB, MySQL, MongoDB

English

Fluent

Korean

Native

Mandarin Chinese

Intermediate