

# 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: 3.87 / 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