

Jihyun Ahn

+1 (602) 626-4361
53703

601 West Doty Street, Madison, Wisconsin, the United States,

ahn58@wisc.edu

<https://www.linkedin.com/in/jihyun-ahn-4b6037225/>

SKILLS

Technical Skills: Git, GitHub, Linux, Java, JavaScript, Python, CSS, HTML, Quartus, C, MATLAB, Adobe Photoshop, Adobe Premiere Pro, PowerPoint, Excel, Word,

Language: Korean (native), English (fluent), Japanese (limited work capacity)

EDUCATION

Ira A. Fulton Schools of Engineering, Arizona State University, Tempe, Arizona August 2019 – April 2021

- Major: Computer Science
- Award: New American University Scholarship UG 2019 – 2021
- Major Classes: CSE 205 (Object-Oriented Program & Data, Grade: A), MAT 243 (Discrete Math Structures, grade: A+), CSE 230 (Computer Org/Assembly Language Program, Grade: B+), MAT 267 (Calculus for Engineers, Grade: A)
- GPA: 3.98/4.00

College of Letters & Science, University of Wisconsin, Madison, Wisconsin September 2021 – Present

- Major: Computer Science
- Major Classes: COMP SCI 400 (Programming 3, Grade: A), COMP SCI 540 (Intro-Artificial Intelligence, Grade: A), COMP SCI 577 (Introduction to Algorithm, Grade: B), COMP SCI 639 (CS Capstone, Grad, Grade: A), COMP SCI 536 (Intro-Program Langs&Compilers), COMP SCI 537 (Intro to Operating Systems), COMP SCI 539 (Intro-Artificial Neural Networks)
- GPA: 3.80/4.00

KEY PROJECTS

Capstone, Student, Arizona State University November 2020 – December 2020

- Designed the most appropriate solution and built a circuit to meet the client's needs of effective determination and resolution of errors in microphone and speaker
- Applied Quartus to create the designed circuit for optimized simulation

Capital-One Capstone, Frontend and backend developer, University of Wisconsin Madison September 2022 – December 2022

- Cooperated with team members twice a week to develop a customer card-recommendation survey website for Capital-One
- Applied Nodejs, React, CSS, HTML, and GitHub to create front end codes for the survey website
- Applied various team management methodologies such as scrum, sprint, and Jira

Hackathon, Front-End developer, University of Wisconsin Madison February 2022

- Cooperated with team members for 24 hours to develop a chrome extension which simplifies the process of finding chrome search history for user
- Applied CSS, HTML, and JavaScript to create user-friendly interface and function for the application

Korean Student Association Website Development, Team leader, Arizona State University October 2020 – March 2021

- Collaborated with team members twice a week to develop a website for the Korean Student Association
- Applied CSS, HTML, SQL, Bootstrap, and JavaScript to create frontend commands and backend data processing structures for the website
- Supported team members by demonstrating building up structures of coding

Project SPYN, Leader, Arizona State University

August 2019 – December 2019

- Cooperated with team members once a week to create an automated robot vehicle for disabled
- Applied MATLAB, Excel, Adobe Photoshop, and Clip Studio Paint to create logo and data processing structures for the robot function

RESEARCH EXPERIENCE

Internship, ADAS Verification Technology Team, Suresoft, South Korea May 30th, 2022 – July 15th, 2022

- Collected sensor data of ADAS vehicles including Lidar, IMU, GPS, and Camera, and created various testing scenarios and error determination filters for ADAS
- Applied Python and C# to create filters that find the point where ADAS caused the judgment error during driving and left a mark on the timeline
- Presented summarized contents of various papers related to ADAS and ADAS testing every three weeks to team members to help widen their knowledge

EXTERNAL ACTIVITIES

Artificial Intelligence with You, Leader, Arizona State University September 2019 – May 2021

- Hold bi-weekly meetings to discuss Artificial Intelligence adaptation and principles for successful implementation in society
- Conducted the discussion on basic Artificial Intelligence coding by searching a variety of materials to help members build a framework
- Motivated members to get used to Artificial Intelligence by providing various event information and activities related to Artificial Intelligence

Korean American Scientists and Engineers Association, University of Wisconsin August 2021 – May 2022

- Participated in meetings twice a week for various academic activities including thesis analysis and academic discussion
- Participated in monthly events to communicate with members for emotional support and cooperated with members to support their academic concerns and challenges

Korean Computer-Science Union, Vice President, University of Wisconsin Madison September 2022 – Present

- Held monthly meetings to help team projects and improve club members' programming skills
- Provided Git and GitHub info sessions to members for understanding basic functions that are needed for team projects

Korean Student Association, Arizona State University August 2019 – May 2021

- Participated in monthly events for the cooperation and unity of Korean students
- Supported students' well-being by giving emotional and informative support

Math Instructor, Yongin METIS Mathematics Academy, South Korea April 2019 – July 2019

- Provided three lectures a week for two classes to help students cultivate and apply basic skills of algebra and calculus
- Encouraged students to study passionately by playing course-related activities once a week
- Voluntarily supported students' mental health by counseling

Teaching Assistance, Yongin Matholic Cram School, South Korea May 2019 – July 2019

- Assisted Math instructors with their lecture and office work
- Maintained clean and organized study areas to provide students with the best environment to study
- Managed students and worked voluntarily to allow them to study and cooperate with their peers