

Jeong Jun Song

• **Phone:** (623) 889-4796 • **E-mail:** songjeongjun320@gmail.com • **GitHub:** <https://github.com/songjeongjun320>
• **LinkedIn:** <https://www.linkedin.com/in/junsong0602/> • **Website:** <https://songjeongjun320.github.io/>

EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering | GPA: 3.81/4.0 Dec 2025

B.S. Computer Science

Dean's List (2023-2024) | NamU Scholarship (2023-2025)

WORK EXPERIENCE

Arizona State University May 2024 - present

Research Aide – Software Engineering Role Tempe, AZ

- Leading the **Machine Learning** Insights project, optimizing object detection and developing **cost-effective OCR solution**.
- Building a **Full-Stack** website leveraging **Next.js, Flask, JavaScript, Supabase, AWS Textract API** and **YOLOv8**.
- Achieve 95% code coverage** by implementing automated unit tests to streamline testing processes.

NGL Transportation INC Jan 2022 – Jan 2023

Software Engineering Intern Phoenix, AZ

- Reduced truck gate processing time from **5 minutes to 5-10 seconds** by implementing an OCR-based system.
- Improved image detection **accuracy by 20%** through **YOLOv5** model refinement.
- Managed **10,000+** daily data transactions with **PostgreSQL** and **AWS S3**, ensuring secure and efficient storage.

PROJECTS

Business Contract Analyzer [Link](#) | Full-stack | Next.js | Python | Flask | JS | Llama API | Git Sep 2024 - Present

- Developing logic to detect toxic clauses in B2B contracts, providing initiative-taking suggestions for resolution.
- Provisioned an EC2 instance, configured a domain in Route 53, and implemented HTTPS encryption using a load balancer.
- Connected the Flask server and front-end via REST API and utilized the LLama API to deliver a solution.

Campus Bookstore Website [Link](#) | Full-stack | Agile | JavaFX | PostgreSQL | Git July 2024 - Present

- Designing and developed a campus-wide e-commerce platform in processing time by applying Agile method.
- Implementing a time-saving searching algorithm and creating UML diagrams and CRC diagrams in Astah.

Machine Learning Yard Management System [Link](#) | Full-stack | Next.js | Supabase | YOLO | Git May 2024 – present

- Constructing a full-stack web application to display OCR-extracted data.
- Integrated Tesseract and AWS Textract for an OCR solution, reducing transaction costs.
- Cutting down end-user task time from 5 minutes to 10 seconds.

MindVillage [Link](#) | Full-stack | Next.js | Python | OpenAI API | Git Oct 2024

- Let full-stack development for Hackathon for Humanity, ensuring team requirements and integrating the Gather platform API.
- Integrated with the OpenAI API to implement text-to-voice functionality, creating a podcast tailored to the user's mood.

Why don't you be nicer – Ethical Hackathon 2nd Prize [Link](#) | Next.js | Node.js | Llama API | Git Sep 2024

- Deployed a website and a Chrome extension by integrating REST API, including Hugging Face and LLama.
- Simplifying API call costs by 25% through modified usage.

OCR Container Number Recognition [Link](#) | Python | OpenCV | Numpy | Tesseract | Git Jan 2022 – Jan 2023

- Developed an automated solution using OpenCV and Tesseract to extract container numbers.
- Filtering for specific words, boosting efficiency by 40% and reducing errors.

ACHIEVEMENT

- 2nd Place winner, Ethical Hackathon, Project: Why don't you be nice(r)? Oct 2024
- Participant of Amazon's Campus Summer Series June 2024 – July 2024

TECHNICAL SKILLS

- Languages:** Python, Java, JavaScript, C++, TypeScript, HTML, CSS
- Frameworks:** Next.js, React, React Query, Flask, REST API
- Tools:** Supabase, Git, AWS, YOLO, Jira, Linux
- Skills:** Full Stack Development, Agile, Data Structures and Algorithms, Software Engineering, QA Test, Computer Architecture

MILITARY [Link](#)

Driver and Interpreter, Hanbit Unit 12th Peacekeepers, United Nations (UN), Bor, South Sudan | Jan 2020 - Jan 2021

- Supported UN peacekeeping with logistics, interpretation, and aid for war-affected children during COVID-19.