

JeongJun (Jun) Song

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering | GPA: 3.87/4.0

December 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.
- Presented at the FURI Conference on the topic of how advancements in projects and technology will impact human employment.

NGL Transportation INC

January 2022 – January 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.
- Conducted QA testing with end users and performed bug fixes during the deployment of the new system.

PROJECTS

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

September 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 | 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

October 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

September 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

January 2022 – January 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)?
- Participant of Amazon's Campus Summer Series

October 2024

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