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.
- 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 Tessearct and AWS Textract for an OCR solution, reducint 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)?　　　　　　**October 2024**
- Participant of Amazon's Campus Summer Series　　　　　　　　　　　　**June 2024 – July 2024**

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C++, TypeScript, HTML, CSS
- **Frameworkds:** 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