

# Shunsuke Akiya

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## Skills

**Technologies:** React, Next.js, Tailwind CSS, TypeScript, JavaScript, HTML, CSS, Python, Flask, MongoDB, Git, Figma, Vercel

**Concepts:** Full-Stack Development, Object-Oriented Programming, Data Structures and Algorithms

**Languages:** English (Native), Japanese (Business-level)

## Professional Experience

### Software Engineer

Dec 2024 - Jan 2025

*Autumn Valley International, Inc.*

La Quinta, CA

- Produced a user-centric company website, prioritizing engagement and interactive features using React, TypeScript, and Tailwind CSS.
- Embedded EmailJS and i18next, expanding global accessibility through streamlined email and multilingual functionality.
- Incorporated a dynamic globe feature to visually display all exported locations, enhancing website interactivity.

### Software Developer Intern

Jun 2024 - Aug 2024

*LOGISTEED Solutions America Ltd.*

Torrance, CA

- Developed a Full-Stack worklog application using Svelte, Flask, and MySQL for database management, enhancing company-wide productivity and streamlining task management processes.
- Integrated Login Authentication, CRUD functionality, and designed an intuitive UI using Tailwind CSS, elevating overall UX and data security.
- Optimized application performance and scalability through effective system design and implementation.

### STEM Program Teaching Assistant

Jun 2018 - Jul 2018

*Palm Desert High School STEM Program*

Palm Desert, CA

- Instructed elementary and middle school students in programming and robotics fundamentals by facilitating engaging, interactive STEM activities, utilizing effective communication and leadership to promote technological literacy, problem-solving skills, and active participation.

## Selected Projects

### Secure Access Lock System with NFC and Biometrics

Aug 2024 - May 2025

- Deployed a user-friendly web app using Next.js, TypeScript, and Tailwind CSS that interfaces with a Raspberry Pi to control a custom made smart lock.
- Engineered the authentication system for the lock using MongoDB to manage user credentials, along with secure API communication between a front-end and a back-end for fingerprint and NFC access control.
- Integrated a multi-platform system with a modern web interface using Tailwind CSS, ensuring a seamless and intuitive UX.

### Ponder

Feb 2025 - May 2025

- Developed a modern, clean, and user-friendly interface using Next.js, TypeScript, and Tailwind CSS, elevating user experience through intuitive design principles.
- Connected Merriam-Webster, GNews APIs and Cheerio to deliver accurate definitions, examples, and efficient web scraping, providing comprehensive content.
- Enhanced usability and accessibility by implementing responsive design and best practices, ensuring the app delivers a seamless experience across devices and for all users.

### 3 Search Algorithm Project

Nov 2023 - Dec 2023

- Designed graph search algorithms (DFS, BFS, A\* Search) in Java to enable efficient traversal and pathfinding solutions.
- Applied object-oriented programming principles like abstract classes, interfaces, and inheritance to structure scalable and modular code architecture.
- Developed pathfinding solutions for Maze and Sliding Puzzle environments to demonstrate practical applications of search algorithms in problem-solving.

## Education

### **California State University, San Bernardino**

Aug 2021 - May 2025

*Bachelor of Science, Computer Engineering*

San Bernardino, CA

- GPA: 3.77 / 4.0 (Magna Cum Laude) | **8x Dean's List**

- Notable Courses: Data Structures and Algorithms, Algorithm Analysis, Platform Computing