

Shunsuke Akiya

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Skills

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

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

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

Professional Experience

Full-Stack Engineer

Dec 2024 - Jan 2025

Autumn Valley International Inc.

La Quinta, CA

- Produced a user-centric company website during a part-time winter break contract, prioritizing engagement and interactive features using Next.js, TypeScript, and Tailwind.
- 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 an intuitive UI using Tailwind, elevating UX and data security.
- Optimized application performance and scalability through effective system design and implementation, resulting in faster load times and the ability to handle increased user traffic

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 by leading STEM activities that foster technological literacy, improve problem-solving skills, and encourage active participation through clear instruction and guided leadership.

Selected Projects

Waypoint - AI Itinerary Planner

Jun 2025 - Present

- Spearheading an AI-powered travel automation tool using Next.js, TypeScript, Tailwind, Supabase, Stripe, Perplexity API, and Google API to automatically generate and schedule personalized trip itineraries.
- Architecting secure user authentication and data management with Supabase and Google Sign-In, while integrating Stripe for seamless payment processing and Perplexity API for real-time research on destinations, hours, prices, and local insights.
- Automating the creation of calendar agenda directly on users' Google Calendars, intelligently factoring in budget, downtime, crowds, proximity, and must-see prioritization to deliver stress-free, optimized travel experiences.

Secure Access Lock System with NFC and Biometrics

Aug 2024 - May 2025

- Deployed a user-friendly web app using Next.js, TypeScript, and Tailwind that interfaces with a Raspberry Pi to control a custom-made smart lock, collaborating with a multidisciplinary team using Agile methodologies for iterative development.
- Engineered the authentication system for the lock using MongoDB to manage user credentials, along with secure RESTful 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, 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.

Education

California State University, San Bernardino

Aug 2021 - May 2025

Bachelor of Science, Computer Engineering

San Bernardino, CA

- GPA: 3.74 / 4.0 (Cum Laude) | 8x Dean's List
- Notable Courses: Data Structures and Algorithms, Algorithm Analysis, Platform Computing