Shunsuke Akiya

Computer Engineering Major (CSUSB)

shunakiya@gmail.com github.com/shunakiya linkedin.com/in/shunakiya shunakiya.dev

Education

California State University, San Bernardino

Bachelor's of Science, Computer Engineering — San Bernardino, CA (Fall 2021 - Spring 2025)

- Senior majoring in Computer Engineering
- 3.76 GPA (As of Spring 2025)

Skills

Programming

- React, Typescript, Next.js, Tailwind CSS, MySQL, Supabase (In progress), Git, JavaScript, HTML, CSS, Python, Java

Concepts

- OOP, DSA, Full-Stack Development (Front-End, Back-End, Database)

Languages

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

Work Experience

Front-End Developer

Autumn Valley International, Inc. — La Quinta, CA (December 2024 - January 2025)

- Developed a company website with a focus on user experience and interactivity (In progress).
- Integrated EmailJS for seamless email functionality, and i18next for multilingual support, ensuring accessibility across regions.
- Incorporated a dynamic globe feature to visually display all exported locations, enhancing website interactivity with React, TypeScript, and Tailwind.

Software Developer Internship

LOGISTEED Solutions America Ltd. Software Developer Role — Torrance, CA (June 2024 - August 2024)

- Developed a worklog application that is now used by the company.
- Implemented Login Authentication, CRUD functionality, and a user-friendly interface designed with Tailwind.
- Utilized Svelte as Frontend, Flask as Backend, and MySQL for database.

Projects

Ponder

A fast, simple and lightweight dictionary app (In progress). — San Bernardino, CA (February 2025 - Present)

- Focused on a modern, clean, and user-friendly interface for an enhanced experience.
- Integrates Merriam-Webster and GNews APIs for definitions and examples, with plans for web scraping using Cheerio.
- Built with React, TypeScript, and Tailwind; future iterations will adopt Next.js and potentially include Supabase or MongoDB for added functionality.

Secure Access Locking System with NFC and Biometrics

Senior Project smart-lock with fingerprint sensor, NFC, and key access. — San Bernardino, CA (Fall 2024 - Present)

- Collaboratively developed a Secure Access Lock System that offers multiple authentication methods, including biometrics and NFC.
- Utilized a Raspberry Pi to host a Flask backend server, paired with a React front-end built in TypeScript and styled using Tailwind.
- Ensured multi-platform compatibility with features like remote access via a web app and automatic locking for enhanced security.

Tail Recursion Project

Write 12 recursive functions to manipulate singly-linked lists in Java — San Bernardino, CA (Fall 2023)

- Implemented 12 tail-recursive functions that handle common Java operations.
- Optimized for time complexity (aimed for O(n) or better).
- Followed constraints: no non-local variables, no arrays, no non-recursive loops.

3 Search Algorithm Project

Write 3 search algorithms by utilizing 8 given Java files San Bernardino, CA (Fall 2023)

- Implemented graph search algorithms (DFS, BFS, A* Search) in Java.
- Utilized object-oriented programming concepts like abstract classes, interfaces, and inheritance.
- Solved pathfinding problems using Maze and Sliding Puzzle as examples.

Notable Courses

CSE 4500 - Platform Computing

Explored mobile, cloud-based, or web-based app design and development. Includes cross and multi-platform issues, virtual reality and social network concepts. (Spring 2025)

CSE 4310 - Algorithm Analysis

Analyzed algorithms, including time and space complexity, design methodologies, and taxonomic classification of problems. (Winter 2023)

CSE 2020 - Computer Science II

Studied abstract data structures, including list, stack, queue, tree, and map, and their implementation, storage allocation, and associated applications. (Fall 2023)