

# Nathan Dinh

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## EDUCATION

**B.S. Software Engineer**, *San Jose State University, San Jose, CA*

**Expected December 2025**

- GPA: 3.97/4.00

**Associate Transfer Degree, Computer Science**, *De Anza College, Cupertino, CA*

**Sep 2020 - Dec 2022**

- Honors: Dean's List Every Quarters

## PROJECTS (github.com/nathan-dinh-dev)

**My Portfolio Website** | Full-stack Engineer

**Dec 2023 - Feb 2024**

- Deployed a personal website using **React.js**, featuring smooth scrolling with fade-in animations and **RxJs** implementation.
- Deployed server-side rendering through **Express.js** and integrated Node Mailer for email functionality.

**City of Williamston Website** | Full-stack Engineer

- Led a team of 4 students in developing a comprehensive city website using **React.js**.
- Deployed server-side rendering through **Express.js** and Node Mailer with SMTP protocols email communication.
- Utilized **Strapi** API, backed by **PostgreSQL**, to implement a search engine and newsletter functionality.

**Food Order Application** | Full-stack Engineer

**Jun 2023 - Expected May 2024**

- Led a team of 3 students in the design and development of a functional food order application using **React.js**.
- Integrated **MySQL** database for efficient data storage and retrieval, ensuring scalability and reliability.
- Implemented **OAuth 2** for user authentication, and integrated **Stripe** for secure check-out transactions.

**DevMint Market** | Front-end Engineer

**Oct 2022 - Dec 2022**

- Designed a web application for everyone to learn Vietnamese using **React.js** and **Framer Motion**.
- Utilized **JSON** database for storing vowels, symbols, audio, clusters, and tones.
- Used animations, and transitions to create dynamic and interactive elements.

**Smart Agriculture Solution** | Software Engineer

**Feb 2019 - Jun 2019**

- Created a long-range wireless system based on **Tiva C tm4c123g** microcontroller and **SX1278 RF** modules.
- Programmed microcontrollers in **C/C++** to capture sensor data (e.g., soil moisture, temperature) and developed a power-saving mode to reduce system energy consumption.
- Built a basic web application using **HTML**, **CSS**, and **JavaScript** to display and manage the system.

## EXPERIENCE

**IT Specialist** | Pho Ha Noi

**Jan 2020 - Now**

- Experienced in integrating, and troubleshooting POS systems to resolve technical issues promptly and minimize downtime.
- Implemented automated inventory management and order processing systems.
- Experienced in network management and troubleshooting.
- Managed restaurant website, overseeing menu updates, promotions, and newsletter distribution to customers.

**Tutor** - Data Abstraction and Structures

**De Anza College**

- Assisted students with programming and software questions.

**Jun 2022 - Sep 2022**

## CERTIFICATE

- MIT Professional Certificate in Coding: Full Stack Development with MERN.

**October 2023**

## TECHNICAL SKILLS

**Programming:** C/C++, Java, JavaScript, Python, SQL, HTML, CSS, Git, SQL.

**Frameworks & Libraries:** React, Firebase, MongoDB, Strapi, Express.js, Node.js, MySQL, Docker, Redis, Jenkins.