

Nathan Dinh

nathanxdinhx97@gmail.com • 6692132635 • linkedin.com/in/dinh97 • github.com/nathan-dinh-dev

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)

Food Order Application | Front-end Engineer

Jun 2023 - Aug 2023

- Designed a functional food order application using **React.js**, providing a seamless user experience for customers
- Developed a responsive menu display with item details, and prices, resulting in increased user engagement
- Used React hooks for efficient state management, side effects, and inter-component data sharing
- Implemented a React Modal shopping cart feature that allowed users to add, remove, and update items

DevMint Market | Software Engineer

Oct 2022 - Dec 2022

- Designed a web application for everyone to learn Vietnamese using **React.js**
- Used Framer Motion animations, and transitions to create dynamic and interactive elements
- Implemented dynamic routing to achieve a navigable web app without reloading the page
- Used Framer Motion animations, and transitions to create dynamic and interactive elements

LoRaWAN-Based Smart Agriculture Solution | Software Engineer

Feb 2019 - Jun 2019

- Created a long-range wireless system based on Tiva C series tm4c123g microcontroller and SX1278 RF modules
- Designed and programmed Tiva C microcontrollers in **C/C++** to capture sensor data (e.g., soil moisture, temperature) and control irrigation systems efficiently
- 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

Home Automation System | Software Engineer

Feb 2018 - Jun 2018

- Designed and developed a comprehensive home automation system leveraging IoT, Firebase, and mobile app technologies to enhance user convenience and energy efficiency
- Engineered the hardware aspect using NodeMCU to create a data transmission network with 3 client nodes and 1 access point node, designed for delivering data collected from IoT sensors and enabling remote control of lighting, temperature, and security systems
- Integrated Firebase Realtime Database and Firebase Authentication for secure data storage and user management
- Developed a user-friendly mobile app using Thunkable, enabling homeowners to control and monitor their connected devices from anywhere

EXPERIENCE

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, Express.js, Node.js, MySQL, Docker, Redis.