

# DANIEL A. AMIRTHARAJ

Cupertino, CA

(408) 315 7040 damirtharaj1@gmail.com

<https://www.linkedin.com/in/damirtharaj>

## EDUCATION

Santa Clara University, Santa Clara, CA

Bachelor of Science in Computer Science, June 2025

- Completed Coursework: Java Programming, Data Structures and Algorithms, Calculus 1-4, Object Oriented Programming in C++.
- Courses in Progress: Embedded Systems, Probability and Statistics, Intro to Logic Design.
- Major GPA: 4.0.
- Overall GPA: 3.84.

## WORK EXPERIENCE

### Backend Developer

[Neural AIO](#), Remote Work

Jan 2022 – Apr 2022

- Collaborated with one other developer to create, release, and update beta versions of a purchase automation software for NFTs.
- Increased number of beta testers to over 100 by developing rest APIs using **Python Flask** to register users in a **MongoDB** database, as well as APIs for admin users to perform administrator tasks to user accounts.
- Constructed a checkout algorithm to bypass 100% of bot protection and automatically purchase NFTs from the Magic Eden NFT marketplace written in **Go (go-rod library)**.
- Secured hundreds of software requests by creating an authentication server to authenticate user login requests using AES encryption (**Python Crypto**).

## PROJECTS

### [Workout Tracking Mobile Application](#)

- Developed a mobile application to allow users to track and share workouts with other users using **Flutter**, **Dart**, **Python**, **Flask** and **MongoDB**.

### [Data Structures and Algorithms](#)

- Implemented Linked List (add, delete, search), Stack (push, pop), Queue (push, pop), Hash Table (add, delete, search), and Binary Search Tree (add, delete, search, in order, post order, preorder) using **Java** and **Object-Oriented Programming**.

### [Stock Tweet Scraper](#)

- Constructed a HTTP server to take a stock ticker as an input and search top 5 recent associated tweets using **Go** and **Twitter API**.

### [ICPC Programming Competition](#)

- Led a team in a programming competition to solve solutions for 10 data structure and algorithm problems using **Python**.

### [Spanish Vocab Game](#)

- Developed a game and user interface to help users improve Spanish vocabulary and store high scores in a text file using **Java**, **Java swing**, **Java awt** and **Java io**.

## LEADERSHIP

### Eagle Scout

Boy Scouts of America, Cupertino, CA

Nov 2014 - Nov 2021

- Achieved highest rank in Boy Scouts of America and led around 20 scouts as assistant senior patrol leader.
- Planned, Developed, and Demonstrated Leadership of a service project by leading a team of 5 to build a shed for a nonprofit organization (California Cricket Academy).
- Raised money for troop by selling over \$500 worth of popcorn.

## SKILLS/INTERESTS

- Python; Java; Go (Golang); JavaScript.
- REST APIs; Flask; MongoDB; Flutter; ReactJS; NodeJS; ExpressJS; SQL.
- Weightlifting, hiking, sneaker/clothing reselling.