

AIDAN QUACH

aidan.quachh@gmail.com • University of Florida • (813)-219-2977 • github.com/aidanq06 • Tampa, FL

PROJECTS

ChartSense - AI Stock Sentiment Analysis App

- Developed a **full-stack, AI-driven** mobile app delivering real-time stock sentiment insights by aggregating financial news and social media data.
- Built a scalable **Firebase backend** integrated with Yahoo Finance, Reddit, X APIs, and custom web scrapers; processed 10k+ daily data points with **MongoDB** for real-time analytics.
- Utilized **OpenAI GPT-4 API** for advanced NLP, sentiment analysis, and entity extraction.
- Developed a reactive **SwiftUI frontend** delivering dynamic AI-driven stock insights and sentiment visualizations.

PartnerLink – Educational Resource Management App

- Developed a **full-stack application** for my high school, providing administrators a centralized platform to manage and connect with local business partners and resource providers.
- Designed a scalable backend with **MongoDB** for 24/7 uptime; integrated RESTful APIs and web scraping of YellowPages for dynamic business data; implemented **OAuth 2.0** and Google Gmail API for secure 2FA authentication.
- Leveraged asynchronous Python and multi-threading to optimize data ingestion

EXPERIENCE

IT & Software Engineering Intern, DEX Imaging

2025 — Present

- Selected as **1 of 3 summer interns** at a national business tech firm.
- Developing automation tools for internal workflows using **Python/JavaScript**.
- Collaborated with IT to deploy scalable automation tools, debug infrastructure bottlenecks, and integrate custom scripts within existing enterprise systems.
- Contract **extended** due to consistently strong performance and contribution to key projects.

Co-Founder, TampaHack

2024 — Present

- Hosted 2 successful student-led hackathons with 50+ attendees, gathering **sponsorships**.
- Lead weekly meetings teaching **programming and hardware fundamentals** to high school students.

Lead Developer, Royal Robotics

2022 — 2024

- Designed autonomous navigation systems used in **award-winning VEX competitions**.
- Led 30+ member team, mentoring in **C++/Python, sensors, and real-time systems**.

ACHIEVEMENTS

FBLA State Champion – Coding & Programming

2022 — Present

- 1st place in Florida and district coding/programming competitions; 2× national qualifier.
- Built "**PartnerLink**" and "**Trackify**".

Robotics Awards

- 1st place at **VEX Regionals** and top 5 State ranking.
- 1st place in **Roboticon Tampa Bay Competition**, Team Spirit Award, FIRST South FL Regional.

EDUCATION

University of Florida – B.S. Computer Science

Class of 2029

Steinbrenner High School

- Top 10% HS Graduate | 7.3 GPA (uncapped); Perfect score on **AP Calculus BC**, **AP Comp. Science**

SKILLS

- **Python** (TensorFlow, PyTorch), **C++**, **Java**, **JavaScript** (Node.js, React), **SQL**, **Bash**
- **Firebase**, **MongoDB**, **REST APIs**, **SwiftUI**, **Docker**, **Git**, **OAuth 2.0**