

THOMAS BOUSALEH

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OBJECTIVE

Computer engineering student with experience in iOS development, embedded systems, and data analysis. Seeking an internship to apply programming, hardware, and problem-solving skills in a technical environment.

EDUCATION

Dartmouth College

Bachelor of Engineering (A.B., B.E.), Computer Engineering

Relevant Courses: MATH 11, PHYS 13 & 14, ENGS 20, 21, & 27, COSC 50 & 60

Relevant Clubs: Dartmouth Blockchain, Society for Industrial and Applied Mathematics, Quant Club

Hanover, NH

Expected May 2028

GPA: 3.74

Braintree High School

High School Diploma

Valedictorian

Braintree, MA

June 2024

WORK EXPERIENCE

Felix Mobile, Felix Protocol – Hyperliquid Blockchain

Software Engineer (Part-time)

Remote

(November 2024 – April 2025)

- Built and tested an iOS app to streamline trading cryptocurrency on-chain (not publicly released)
- Integrated cloud services to aggregate and process cryptocurrency price data on a recurring basis
- Created an internal API to facilitate gas-sponsorship for user onboarding
- Enhanced front-end work UI/UX with features like notifications

PROJECTS

Musk Analytics (@muskanalytics on X)

(February 2025 – May 2025)

Created and launched a bot (temporarily paused due to X API pricing changes) that used X's OAuth 2.0 API with Python to provide regular updates about Elon Musk's activity on X, with data points like:

- How many times and when Elon tweeted in the past 24 hours
- What Elon's most used keywords are in the past day
- What accounts he mentions and interacts with the most
- His day-to-day follower gain (among other things)

Smart Recycling Can (Group Project)

Winter 2025

Developed an AI-powered waste receptacle with sensors, circuits, and motors to automatically detect and sort any item placed on its lid into trash or recycling with >90% accuracy

SKILLS

- **Programming:** Python, C, TypeScript, JavaScript, Swift, MATLAB, Solidity
- **Hardware & Electronics:** Raspberry Pi, low-voltage systems, sensor integration, circuit simulation
- **Data & Modeling:** Pandas, NumPy, Matplotlib, Scikit-learn; signal processing; data processing
- **Tools & Frameworks:** Git, VS Code, Foundry, ethers.js, Ponder, Heroku, Google Cloud
- **Blockchain/DeFi:** Hyperliquid EVM, BoringVault Architecture, event indexing