

# Alan Nguyen

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## EDUCATION

### Northeastern University

Candidate for a Bachelor of Science in Computer Science **GPA: 3.55/4.0**

**May 2027**

Boston, MA

### Relevant Coursework

Object Oriented Design, Algorithms and Data Structures, Network Fundamentals, Industry Practicum, Computer Systems, Theory of Computation, Discrete Structures, Foundations of Data Science, Programming in C++

## EXPERIENCE

### Dedalus Labs

**December 2025 - Present**

*Resident*

*San Francisco, CA*

- One of **25** founders selected for [Break In](#), a 3-week AI builder program hosted by Dedalus (**6%** acceptance rate)

### Ceed AI

**September 2025 - Present**

*CTO*

*Cambridge, MA*

- Building [Ceed CRM](#), an AI-powered prescriptive CRM built for nonprofits that drives smarter impact
- Secured **3 Letters of Intent** with nonprofits, piloting with **MIT Annual Giving Fund** (3 committed paid pilots)
- Backed by **MIT Sandbox & MTC Startup Pass (Fall 2025)**

### Peer Global Inc.

**June 2025 - August 2025**

*Software Developer Intern*

*Remote, US*

- Architected **agentic** chat workflows and testing platform with **React, Flask, and MongoDB**, featuring 3-tier, multi-persona, modular real-time conversation model for app with over **1.2 million** users
- Designed and deployed dynamic prompt engineering system with context depth scaling and placeholder substitution

## PROJECTS

### Discer.io | NextJS, React, FastAPI, Dedalus SDK, OpenAI API | [Portfolio](#)

**November 2025**

- **1st in 194 teams - YC x HackPrinceton Challenge, Best Use of Dedalus at [HackPrincetonF2025](#)**
- Engineered **Scratch-like** platform for learning agentic AI workflows with drag-and-drop block coding
- Integrated **Dedalus SDK** to support multi LLM providers for agent reasoning steps and custom **MCP** tooling

### Pawtograder | NextJS, Supabase, Chakra UI, TypeScript | [Github](#)

**September 2025 - Present**

- Engineered features for [Pawtograder](#) using **NextJS, TypeScript, and Supabase**, including real-time polling systems, dynamic survey templates, and **research-backed** group formation, serving **3000+** concurrent users
- Ensured code reliability with **Playwright** and automated **CI/CD** pipelines with **GitHub Actions**

### Donor Uplift Optimization | Python, XGBoost, Scikit-learn, Pandas, NumPy, Matplotlib

**September 2025**

- **1st place out of 1300 registered hackers** in operating surplus in the [SAS Hackathon 2025](#)
- Built uplift models achieving **15% surplus over baseline** using T-learners + XGBoost

### capitalX | React Native, Expo, Flask, Supabase, Knot API, Perplexity | [Portfolio](#)

**March 2025**

- **1st in 87 teams - Best Use of LLMs, Best Hack Using Expo at [HackPrincetonS2025](#)**
- Developed mobile app, optimizes credit card usage by processing transaction data and card benefits rewards
- Integrated Gemini 1.5 Flash + Vision OCR, achieving **>95% accuracy** on credit card recognition
- Built payment processing system with **Knot API** for transaction monitoring and dynamic card switching

## SKILLS

**Languages:** Python, C/C++, Java, JavaScript/TypeScript, SQL

**Frontend:** React, React Native, NextJS, Radix UI, HTML/CSS

**Backend:** Flask, Fast API, ExpressJS, PostgreSQL, Supabase, MongoDB, Rest API

**Tools:** AWS, Github/Github Actions, Docker, Linux, Windows, macOS, Playwright, Vercel