

Alan Nguyen

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EDUCATION

Northeastern University

May 2027

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

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

captialX | *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