

# ANH NGUYEN

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## EDUCATION

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**Colby College**, Waterville, ME  
Majors: Computer Science and Education

**Bachelor of Arts, May 2026**  
GPA: 3.9

## SKILLS

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*Proficient: Python, NumPy, Pandas, Matplotlib, Scipy, Java, NodeJS, ReactJS, ExpressJS, MongoDB, Spacy NLP, ScikitLearn, Flask, AWS, SQL, JavaScript, Postgres, Hapi, React Native Expo, SwiftUI, SpriteKit, TypeScript*

## EXPERIENCE

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**Halo**, Software Engineer Intern **June 2025 - Present**

- Developed the AI agent and speech to text capabilities for ARIA smart glasses, enabling real-time search and context-aware assistance by listening to conversations and providing proactive memory and intelligence features
- Designed and implemented custom Bluetooth protocols for communication between ARIA smart glasses and mobile devices
- Built the IXRAY pendant and camera glasses, allowing the app to instantly recognize faces from the camera stream from a Wifi device and generate a profile for them through scraped internet data

**NearPeer**, Software Engineer **May 2024 - June 2025**

- Analyzed third-party API usage across the platform, proposed, designed, and implemented patches to production that reduced 40% of API costs
- Redesigned user matching algorithm by implementing a weighted feature-based matching system, replacing static criteria to improve match quality and user satisfaction
- Developed a custom dashboard with automation capabilities, enabling the customer service team to efficiently view and manage customer data, resulting in an 80% increase in productivity
- Fixed bugs and added features on the app and web app's front-end and back-end, enhancing the experience of over 100,000 users

**Ubongo**, Software Engineer Intern, Part-time **Jun 2024 - August 2024**

- Identified issues with the organization's current content creation process and created to-be-implemented high-level plans to streamline them using generative AI
- Redesigned the content creation process with an automation tool that automatically digitizes, organizes, and splits the content into parts where users can collaborate and work on each part in multiple different languages

**Moji Education**, Co-founder **March 2021 - May 2024**

- Founded an education company providing extremely affordable online classes in competitive debate, standardized testing, and essay writing
- Developed education programs in debate, critical thinking, and public speaking for 25+ schools, universities, and businesses (Vietnam Television, IGC Group, Swinburne Vietnam,...)

## PROJECTS

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**Intelligent Test Prep System**, (React, NodeJS, ExpressJS, MongoDB, Flask, ScikitLearn, AWS)

- A full-stack, full-featured (lessons, desmos, gamification, etc.) intelligent SAT prep system using machine learning to suggest practice modules based on users' performance. With 3000+ users, 5000+ tests taken.
- The web application features all the functionalities of a modern testing application with a graphing calculator, user notes and highlights, daily challenges, a statistics dashboard, and a referral system
- Received 3000 USD in funding as an Independent Study project

**LLM-Checkpoint**, (NodeJS, SQLite, VS Code Extension API)

- A VS Code extension that automatically saves and exports code history to use as context when working with AI coding assistants (e.g., Cursor, Windsurf, etc)
- Automatic code history tracking with smart saving and Git commit detection, view diffs between code versions, export code history to feed into context

**Data Structures Learning App**, (SwiftUI)

- Interactive DSA learning swift app using interactive code walk-throughs and animations
- The app uses drag-and-drop to solve puzzles and visualize the flow of coding problems

## HONORS AND AWARDS

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- Daybreak Startup competition by University of Science, Vietnam National University Hanoi, 2021 - Top 15
- Halloran Lab for Entrepreneurship and Bigelow Labs "Colby Creates" Innovation Day 2024 - Top 1