

Nguyen Xuan Le

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EDUCATION

Bucknell University

B.S. Computer Science | **current GPA: 3.76/4.0**

- **Honors:** Fall 2023 Dean's List, Spring 2024 Dean's List

Quoc Hoc - Hue High School for the Gifted

Major in English

Expected May 2027

Lewisburg, PA

Jun. 2023

Hue, Vietnam

SKILLS & ADDITIONAL INFORMATION

Technical: Python, JavaScript, TypeScript, C, R | Google Analytics, Firebase, Material-UI, Pinecone, Clerk, OpenAI, Llama 3.1

Frameworks/Developer Tools: Github, React JS, Jupyter Notebook

Coursework: Technical Interview Prep - Codepath, Web Development - Codepath, CS50x

Languages: English (fluent, 7.5 IELTS), Vietnamese (native speaker)

RELEVANT EXPERIENCE

Headstarter AI

Software Engineering Fellow

Jul. 2024 – Sep. 2024

Remote

- Built and deployed **4 AI projects in 5 weeks** using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Built and deployed an interactive Inventory Management App using **Next.js, Material-UI for UI and Firebase for backend database**.
- Worked in a **team of 4** to develop an interactive customer support agent using Next.js, **integrated a custom RAG pipeline using OpenAI and Pinecone** that responds based on a company's knowledge base.
- Collaborated with a Fellow to build and deploy a **SaaS product that generates dynamic flashcards based on any topic** using the Llama 3.1 LLM via the Groq API, integrated a paywall and custom pricing plans using the Stripe API.
- **Participated in weekly session with engineers** from Google, Y Combinator, Stanford, Amazon and venture-backend startups.

Quoc Hoc Science and Engineering Fair 2022-2023

Research Assistant

Sep. 2022 – Dec. 2022

Hue, Vietnam

- Orchestrated the collection, organization, and refinement of research data, adeptly curating representative graphs and charts to **provide students school materials on a online library**.
- Conducted **nearly 20 trials**, including comprehensive statistical, quantitative, and quantitative analyses, contributing to a **15% increase** in overall project accuracy and a **20% improvement** in the productivity of students with provided materials.

ADDITIONAL EXPERIENCE

Teaching & Learning Center

Study Group Facilitator

Sep. 2024 – Present

Lewisburg, PA

- Leading **weekly study groups of 10 – 20 students** in two classes: Intro to Computer Science and Calculus II, facilitating 90-minute session to enhance understanding of course material.
- Guiding peer learning and problem-solving, contributing to a **significant improvement** in group members' overall grades.
- Promoting a culture of shared learning by **encouraging knowledge sharing and cross-functional collaboration** between students.
- **Coordinating with a co-facilitator** to align study sessions with course objectives, contributing to students' success.

RAM: Ancientry

Logistics Assistant

Jun. 2021 – Jan. 2022

Hue, Vietnam

- Implemented computational tool Excel to generate detailed reports tracking **up to 50 purchase orders** and inventory databases, facilitating data-driven decision-making and financial transparency.
- Sourced parts for the Robotics Summer Camp, **reducing procurement costs by 10%** through strategic vendor negotiations.