

Nga (Nora) L. Vu

(484)-892-2426 | 307W 8th Street, Bethlehem, PA, 18015 | ngacongviiec101@gmail.com | [github](#) | [PersonalWebsite](#) | [LinkedIn](#)

EDUCATION

Lehigh University | Bachelor of Science in Computer Science

GPA: 3.5 / 4.0

Expected: **May 2026**

Relevant Coursework: System Software (C, C++), Programming & Data Structure (Java), Discrete Structure and Algorithms, Software Engineering, Programming Language (Rust), Computer Organization and Architecture, Design and Analysis of Algorithms.

SKILLS

- **Technical Skills:** Python, Java, JavaScript, TypeScript, C, C++, HTML/CSS.
- **Developer Tools and Frameworks:** Jira, Firebase, ReactJS, Next.js, Google Cloud Platform, Microsoft Azure, AWS, Pinecone, MongoDB
- **Language:** Vietnamese (Native), English (Fluent), Chinese (Intermediate).

EXPERIENCE

NANO Human Interface (NHI) | C#, Unity, Adobe Aero

May 2024 – August 2024

Software Engineer

- Created a 2D instructional guide for lab machine usage (FIB) on the Hologram headset using Unity and C# scripting.
- Enhanced user experience by adding a highlight feature that improved visibility, resulting in a 50% increase in usage time and reducing the learning time for new materials from 3 hours to 1.5 hours.
- Implemented an interactive 3D periodic table using Adobe Aero for mobile exploration, tested with 30 high school students, and received 100% positive feedback for significantly improving their understanding of chemical elements.

Studio Corsair | TypeScript, bash, shell

August 2023 – December 2023

Software Engineer

- Optimized Wagie Clock interface using TypeScript, allowing 18 employees to clock in and view their paychecks, reducing payroll inquiry time by 40%, as tracked by a decrease in help desk tickets related to payroll issues.
- Improved overall efficiency of the wage management system, resulting in a 20% reduction in clock-in errors, monitored by logging error rates in employee check-ins over a 3-month period.

Interpretability of a Machine Learning Strategy | Python | [github](#)

January 2023 – August 2023

Research Assistant

- Applied **SHAP, LIME, ELI5, and Integrated Gradients** in Python with PyTorch framework, improving model transparency and comprehensibility by 30%.

PROJECT

Rate My Professor | OpenAI, Next.js, Python, Pinecone | [github](#)

August 2024

- Developed a web app using Next.js, Python, and Pinecone to recommend university professors based on 5-star ratings and user preferences, handling over 50 user queries in the first 2 weeks.
- **Integrated** OpenAI to analyze user input and utilized Pinecone for efficient data storage and retrieval, achieving 90% accuracy in matching professors to user-specified criteria and a 30% reduction in search time for professor suggestions.

Open Source Contributing | Rust, GraphQL-ESLint | [github](#)

July 2024

- Collaborated with a team of 4 to convert GraphQL files into Abstract Syntax Trees (AST), improving error detection and parsing efficiency for the Biome open-source project (14k stars).
- **Identified** and resolved syntax issues using GraphQL-ESLint, enhancing code reliability and maintainability.
- Wrote comprehensive test cases for Rust functions, enhancing overall test coverage and ensuring accurate syntax error detection, leading to more robust contributions.

My Lovely Pantry | React, Next.js, Firebase, Vercel, GCF | [github](#)

July 2024

- **Constructed** a smart shopping list web app that suggests recipes based on randomly selected grocery items and implemented a Firebase backend to manage user data, including quantities and shopping items.
- **Streamlined** app functionalities for regular grocery shoppers, resulting in a 30% reduction in time spent on meal planning and shopping list creation.

Unitrition | ReactNative, Expo, GCF | [github](#)

March 2024

- **Won** the "Most Impactful Solution" at Lehigh '24 Hackathon Hacks for Health, securing a \$500 prize by outcompeting 32 teams.
- Developed a mobile application with React Native, Expo, and TypeScript to address healthy diet challenges for 2,000+ college students at Lehigh University.
- **Designed** prototype homepage in Figma and **built** the mobile frontend interface, delivering the solution within a 24-hour timeframe.

LEADERSHIP

- **Senator, Club Affair Committee, Lehigh Student Senate (August 2023 - Present):** Review and approve student organization recognitions for 150+ clubs at Lehigh University.
- **Co-founder & Head of Public Relations, Lehigh University Vietnamese Student Associates (January 2023 – Present):** Develop the organization's mission and lead strategic planning and events, increasing VSA's presence by 10% at Lehigh University.