Ngoc Linh Le

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Education

Mount Holyoke College, South Hadley, MA | **Expected**: May 2027
Bachelor of Arts in Computer Science & Mathematics/Statistics | **GPA**: **4.00**/4.00
Relevant Coursework: Data Structures, Software Design and Development, Discrete Mathematics, Linear Algebra, Math Experimentation, Intermediate Statistics

Work Experience

Software Development Intern *June 2024 – August 2024*
Vietnam International Bank Headquarter, Ho Chi Minh City, Vietnam

- Collaborated with fellow interns and engineers to upgrade VIB's Intranet web application using MERN Stack and REST APIs, focused on frontend engineering and database management
- Upgraded the Intranet app's structure by implementing state management with Zustand, thus promoting overall working productivity by 50% based on an internal survey of 100 employees.
- Developed frontend for the landing page and chat thread, and integrated Azure OpenAI API into VIB Banking app that helped process business documents faster and more securely during my final week.

Teaching Assistant & Course Grader *September 2024 – Present*
Mathematics and Statistics Department at Mount Holyoke College

- Facilitated weekly evening help sessions and personal meetings to support 50 students with core statistical concepts, R programming, and course assignments, resulting in a 40% improvement in students' academic efficiency and a 30% increase in their test scores on average through personalized tutoring.
- Collaborated with the course instructor to design assignment rubrics and graded students' assignments.

Projects

HackrMap - AI-driven development tool for personalized development roadmaps. Full-stack Developer
MongoDB, React.js, Node.js, REST API, OpenAI API, React Flow

- Worked cooperatively in a team of four students to develop Hackrmap, an AI-driven web application designed to help hackers start their project quickly by crafting a personalized, step-by-step roadmap.
- Designed a core development flow using graph algorithm with React Flow and an exemplary structured output JS file that facilitates efficient prompt engineering using OpenAI Chat Completions.

PennyWise - A web application for managing personal finances. Full-stack Developer
MongoDB, Next.js, Express.js, REST API, Axios, Clerk, Zustand

- Created REST API endpoints and used Axios to integrate frontend and backend, implemented user authentication by Clerk to ensure secure and reliable user data storage and retrieval
- Designed an algorithm in Budget planning that allows users to keep track of their current financial state and financial targets, which closely aligns with users' habit in financial planning.

Leadership

President *September 2023 – Present*
MHC Vietnamese Student Association

- Manage a team of 40 students and host annual Vietnamese cultural events such as Vietnam Night, Coffee Workshop, and Lunar New Year, enhancing community engagement with Vietnamese culture
- Successfully organized and performed in 2023 and 2024 Vietnam Night, as measured by the attendance of more than 200 students and faculties in Five College Consortium and 60% increase in media engagement.

Marketing Officer & Tech Event Organizer *2023 – Current*
Girls Who Code College Loops @MHC

- Spearheaded the promotion of technology and innovation within Mount Holyoke College and Girls Who Code College Loops by organizing monthly workshops on Hackathons, Industry Insights, Tech Research, and Q&A Sessions, in partnership with Research students and Tech industry experts, which has attracted an average of 60 students per session.
- Innovated Social Media strategies to boost organization's impact by 40% and introduce technologies to college students using copywriting and graphic design skills.

Skills

Languages and Frameworks: Python, Java, JavaScript, R, HTML/CSS, React.js, Next.js, Node.js, Zustand
Tools: VSCode, Git, Github, Eclipse, MongoDB, REST API, Axios, Postman, Microsoft Azure, Figma