

# SON NGUYEN HOANG

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## SUMMARY

A results-driven software engineer seeking an internship to enhance programming skills in creating innovative solutions. Experienced in contributing to large-scale projects, with a focus on efficiency and user experience. Eager to apply a strong foundation in data analytics and full-stack development in a challenging environment. Committed to continuous learning and adapting to emerging technologies.

## NOTABLE EXPERIENCES

12/2023 - 02/2024

### HUONG HUA CO., LTD.

#### FREELANCE FULL-STACK SOFTWARE ENGINEER

- Led the full-stack and middleware development of the company's website from scratch, utilizing various technologies including React, SASS, Bootstrap, Vue, Django, Flask, Docker, AWS Lambda, MySQL, and Apache Cassandra. Designed the website's interactive & UX elements using Figma and Adobe Illustrator.

06/2023 - 08/2023

### VNG CORPORATION

#### SOFTWARE ENGINEERING INTERN

- Created a sophisticated video streaming system using Web Assembly to fetch and render live camera streams for vCloudcam, resulting in a 20% increase in efficiency. Contributed to designing and developing vCloudcam's newest website using Figma, Angular, React, SASS, MongoDB, Webpack, Django, Flask, and PostgreSQL using the Micro-Frontend & Micro-Services architectures.

12-2022 - 05/2023

### CASE WESTERN RESERVE UNIVERSITY

#### RESEARCH ASSISTANT

- Provided cultural feedback to researchers at the Mandel School of Social Sciences in the Study of Southeast Asian Economics. Ensured data integrity and assisted researchers with data entry and visualizations using Tableau, GraphQL, and PowerBI. Critically reviewed research information and proposals.

## EDUCATION

2022-2026

### THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

GPA 3.9

Bachelor of Science (B.S.) - Computer Science  
Bachelor of Arts (B.A.) - Economics

## NOTABLE PROJECTS

- MovieVerse:** Created an extensive web-based movie database with React, Vue, Flask, MongoDB, and MySQL, featuring detailed information on approx. 900,000 movies and the profiles of over 1 million actors and directors. Integrated Machine Learning to recommend/sort movies based on user preferences.
- RecipeGenie:** Developed a robust web-based cooking recipe database using React, Vue, MySQL, Django, Flask, and Cassandra, which houses over 500,000 recipes and attracts over 2,000 monthly visitors.
- StickyNotes:** Developed an event reminder and notes app, available both as a web-based platform and a mobile app, using Django, MySQL, MongoDB, React, and Cordova, which facilitates user-generated reminders and notes, boasting over 10,000 active users and a record of 50,000 notes created to date.
- WeatherMate:** Designed a user-friendly web-based weather-tracking app using Django, React, and MongoDB that offers real-time weather and forecast data for more than 200,000 locations worldwide.

## CURRENT INVOLVEMENTS

08/2022 - Present

### GOOGLE STUDENT DEVELOPER CLUBS

#### SOFTWARE ENGINEERING TEAM LEADER

- Contributed to 6 large-scale projects that addressed real-world problems in Chapel Hill, benefiting more than 350 people in the city. Assisted members with code training and review. Contributed to a 35% increase in club retention.

08/2023 - Present

### MICROSOFT LEARN

#### MICROSOFT LEARN STUDENT AMBASSADOR

- Catalyzed tech education by leading 15 workshops and webinars, directly engaging with over 150 students to deepen their proficiency in Microsoft technologies, with over 95% advancing to complete their certification goals.

## SKILLS

- Programming:** Java, Python, JavaScript, Swift, C, and Go. Experienced with OOP. Experienced with Git.
- Web Development:** React, Node.js, Vue, Angular, WASM, jQuery, Webpack, Django, SEO, and RESTful APIs.
- Databases:** MySQL, MongoDB, Cassandra, PostgreSQL.
- Containerization:** Docker and Kubernetes.
- Data Analytics:** PowerBI, Tableau, Stata, GraphQL.
- Design:** Adobe Illustration, Blender, and Figma.