

SON NGUYEN HOANG

hoangson091104@gmail.com 2210 Granville Towers Ln S., Chapel Hill, NC, USA 27514
<https://hoangsonwww.github.io/My-Portfolio-Website/> +1 (413) 437-6759

EXPERIENCE

- 06/2023 – 08/2023 **VNG CORPORATION**
SOFTWARE ENGINEERING INTERN
- Was a full-stack web developer & a UI/UX designer. Created a sophisticated video steaming system using Web Assembly to fetch and render live camera streams for vCloudcam, resulting in a 20% increase in efficiency. Developed vCloudcam's new website using Angular, React, SASS, MongoDB, Webpack, Django, and MySQL using Micro-Frontend & Micro-Services architectures.
- 02/2023 – 08/2023 **TOPICA NATIVEX VIETNAM**
TEACHING ASSISTANT
- Assisted primary teacher in 12 online English classes/week with lesson planning, language translations, classroom monitoring, assigning homework, and grading tests and assignments. Communicated with parents and students to provide feedback to help students learn and managed administrative tasks.
- 02/2023 – 05/2023 **CASE WESTERN RESERVE UNIVERSITY**
PEER TUTOR
- For the following courses: Calculus II and Programming in Java. Helped other students learn and strengthen course concepts through weekly recitation sessions and daily office hours. Assisted professors in grading. Communicated with students to create & recommend study plans for their academic success.
- 12/2022 – 05/2023 **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 4.0**
Bachelor of Science (B.S.) – Computer Science
Bachelor of Arts (B.A.) – Economics

NOTABLE PROJECTS

- RecipeGenie:** A web-based cooking recipes database implemented with React, MySQL, Redux Toolkit, JavaScript, and Cassandra that has more than 100,000 recipes from around the world. Also incorporates Machine Learning to automatically recommend relevant recipes for users.
- MovieVerse:** A web-based movie database implemented with React, Node.js, MongoDB, Firebase, and MySQL that contains approx. 900,000 movies to date and a movie discussion feature for users.
- EventHorizon:** A web-based event countdown app that allows users to create any event, store, and view its countdown. Implemented with MongoDB, MySQL, TypeScript, Angular, and Node.js.
- WeatherMate:** A web-based weather tracking app that allows users to view real-time weather and forecast information at any location around the world. Implemented with Vue.js, React, and MongoDB.

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. Assisted other 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 45% advancing to complete their certification goals.

SKILLS

- Programming:** Java, Python, JavaScript, Swift, C, R, and Go. Experienced with OOP. Experienced with Git.
- Web Development:** React, Node.js, Vue, Angular, WASM, PHP, 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.