SON NGUYEN HOANG

hoangson091104@gmail.com   2210 Granville Towers Ln S., Chapel Hill, NC, USA 27514
hoangsonww.github.io/My-Portfolio-Website/ linkedin.com/in/hoangsonw/ +1 (413) 437-6759

EXPERIENCE

06/2023 – 08/2023 **VNG CORPORATION**
SOFTWARE ENGINEERING INTERN
- 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. Designed and developed vCloudcam's new website using Figma, Angular, React, SASS, MongoDB, Webpack, Django, Flask, and PostgreSQL using the 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 3.9**
Bachelor of Science (B.S.) – Computer Science
Bachelor of Arts (B.A.) – Economics

NOTABLE PROJECTS

- **RecipeGenie**: Developed a robust web-based cooking recipe database using React, MySQL, Django, Flask, and Cassandra, which houses over 100,000 recipes and attracts more than 2,000 monthly visitors.
- **MovieVerse:** Created an extensive web-based movie database with React, Flask, MongoDB, and MySQL, which features detailed information on approximately 400,000 movies and profiles of 800,000 actors and directors. Incorporated Machine Learning to recommend/sort movies based on user preferences.
- **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. 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.