Chalisa "Keaw" Phoomsakha

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EDUCATION

University of North Carolina at Chapel Hill   **Aug 2020 - Dec 2023**
Computer Science, B.S. **GPA:** 3.0/4.0

TECHNICAL SKILLS + CERTIFICATES

Programming Languages: React Native, TypeScript, Java, Python, MySQL, Angular, AWS, SQLAlchemy, PostgreSQL
Certificates: HTML, CSS, and Javascript for Web Developers Cert. (Johns Hopkins University)

PROJECTS

Stayfull | Willow Tree For Good 2023   **Ongoing**
- Led a diverse team to develop a food resource app aiding users in locating nearby food resources.
- Guided the project from ideation through market research, competition victory, and ongoing development with support from Willow Tree.
- Solely handled technical planning, selecting the **React Native** tech stack and integrating Google APIs.
- Managed the app's **Postgres** database and **AWS**-based API hosting, with an ongoing migration.
- Demonstrated effective collaboration and competitive success, sustaining post-competition project momentum.

ShiftOverflow | Software Engineering Lab   **Dec 2023**
- Collaborated on a client-facing project with a diverse team of engineers, handling documentation, maintenance, client communication, independent tech spikes, and agile development.
- Developed a scheduling tool for teaching assistants, supported by Professors Kris Jordan and Alyssa Byrnes.
- Utilized **Angular** while managing code updates, maintenance, and backend migration from **AWS** to UNC Cloudapps (**Red Hat's Openshift**).

Around the Block | Design and Implementation of User Interfaces   **May 2023**
- Designed and implemented an art-sharing site for artists facing creative block using **Figma**.
- Developed a frontend with **Angular**, **Material UI**, and **Bootstrap** and a backend with **SQLAlchemy, PostgreSQL**, and **Python**, collaborating with two other students.

SpareSpace | Pearl Hacks 2023 Project   **Feb 2023**
- Competed with a team of four to create a 24-hour prototype website.
- Designed the frontend with **Angular** and **TypeScript**, integrated **Twilio's SendGrid** for communication, and managed data input connections to the **Appwrite**-based backend.
- Received awards for Best Use of Real Estate Data (CoStar Group), Best Use of Appwrite (MLH), and Third Overall Best Hack (Pearl Hacks).

WORK EXPERIENCE

Software Engineering Intern | Willowtree | Durham, NC   **June 2023 - Aug 2023**
- Contributed to a cross-functional team, actively participating in decision-making and emphasizing collective pacing, effective communication, and time management.
- Gained proficiency in **React Native** and **AWS** for both frontend and backend development, while shadowing a mentor in client-facing projects.
- Managed agile project development with a focus on reevaluating MVPs and project sustainability.

Teaching Assistant | UNC Dept. of Computer Science | Chapel Hill, NC   **Jan 2022 - May 2022**
- Mentored and assisted over 275 Computer Organization students, explaining challenging concepts to both Computer Science and non-technical majors
- Coordinated office hours and lesson plans in conjunction with 6 other teaching assistant in order to ensure widespread availability and quickly return tests and assignments to students