

EDUCATION

The University of North Carolina at Chapel Hill | Honors – Chapel Hill, NC

MAY 2027

Computer Science B.A. | Information Science B.S., GPA 3.8

- Accelerated Research Scholar, Assured Enrollment in the School of Information Science, Study Abroad Scholarship
- UNC Dean's List

TECHNICAL SKILLS

- Skills: Python, SQL, HTML, CSS, JavaScript, Java, C, Pandas, ReactNative, Figma, Adobe Premiere Pro
- Cantonese: Fluent; Chinese: Intermediate

EXPERIENCE

UNC Department of Computer Science – Chapel Hill, NC

JANUARY 2025 - PRESENT

Undergraduate Teaching Assistant [COMP126: Practical Web Design & Development for Everyone]

- Conduct weekly office hours to assist students in understanding HTML, CSS, JavaScript, and UI web design concepts
- Mentor and supervise a group of students, ensuring consistent attendance and documenting participation trends
- Contribute innovative ideas in the design of interactive in-class exercises and assignments during weekly UTA meetings

The Smith Lab - Chapel Hill, NC

AUGUST 2024 - PRESENT

Research Assistant [UNC-Chapel Hill's School of Data Science and Society | Department of Genetics]

- Conducting advanced genetic analysis to pinpoint areas of interest within various genes with the USCS Genome Browser
- Employing predictive analysis (AI/ML) on noncoding RNA interactions; isoform mapping of noncoding transcripts

Yonsei International Summer School – Seoul, South Korea

JUNE 2024 - AUGUST 2024

Study Abroad Researcher [Summer Study Abroad Program in AI and Design]

- Integrated TensorFlow in the development of AI models, elevating the design and optimization of interior living spaces
- Developed an image recognition model for classifying 300+ interior design styles, utilizing Google Colab

North Carolina School of Science and Mathematics Summer Ventures - Charlotte, NC

JUNE 2022 - JULY 2022

Summer Ventures Researcher [Highly Selective Research Program for NC High Students Interested in STEM]

- Pioneered LASSO modeling with datasets of 500+ data points, revealing significant ozone-UV radiation correlations
- Co-authored a 30+ page research paper, presented to 100+ scientists, earning NC Exemplary Research Award

PROJECTS

Breast Cancer Hub App - Chapel Hill, NC

AUGUST 2024 - PRESENT

Front-end Developer [App Development for a Top-Rated Non-profit Organization based in Concord, NC]

- Implementing ReactNative for an intuitive and user-friendly self-check breast cancer app to support early detection
- Collaborating seamlessly with the UI/UX and back-end team to ensure the timely delivery of high-quality features
- Communicating with Dr. Ras Roy, founder of Breast Cancer Hub, ensuring the app meets UI/UX needs effectively

Golden Dragon Website - Chapel Hill, NC

FEBRUARY 2024 - PRESENT

Website Developer [Website for Local Chinese Restaurant based in Wilmington, NC]

- Constructing a customer-centric website with HTML, CSS, and JavaScript elements, enabling easy online ordering
- Implementing visually appealing and strategic UI/UX design elements, boosting profile interactions by ~53%

LEADERSHIP AND COMMUNITY INVOLVEMENT

Chinese Undergraduate Student Association - Chapel Hill, NC

AUGUST 2024 - PRESENT

Vice President [Student-run Organization Unifying Chinese Scholars and Promoting Chinese Culture]

- Leading successful social and cross-cultural events with 30+ attendees, showcasing exceptional logistic skills
- Pioneered big/little program by pairing 50+ mentees with 50+ mentors, yielding a ~10% increase in club engagement

Carolina AR/VR - Chapel Hill, NC

JUNE 2024 - PRESENT

Finance Chair [Student-run Organization Promoting Student Exploration of Extended Reality Technologies]

- Managing ~\$1.5k budget for RealityFest, an XR conference featuring prominent speakers and cutting-edge technology
- Spearheading strategic sponsorship packages, engaging leading XR companies to support key initiatives