

## EDUCATION

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

MAY 2027

*Computer Science B.S. | 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, Java, C, HTML, CSS, Pandas, ReactNative, Figma
- Cantonese: Fluent; Chinese: Intermediate

## EXPERIENCE

**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
- Utilizing Python to analyze large datasets of +1000 RNA data points to understand the long noncoding class of RNAs

**Yonsei International Summer School** – Seoul, South Korea

JUNE 2024 - AUGUST 2024

*Study Abroad Student [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 +1000 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 Project Team** - Chapel Hill, NC

AUGUST 2024 - PRESENT

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

- Leading front-end development 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 timely delivery of high-quality features
- Communicating directly with Dr. Ras Roy, founder of Breast Cancer Hub, to ensure the app meets user 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, enhancing user experience, enabling easy online ordering
- Implementing strategic design to effectively promote the restaurant, boosting ratings to 4.5 stars with 500+ reviews

**Propel Pixel** - Chapel Hill, NC

JANUARY 2024 - PRESENT

*Front-end Developer [Joint Startup between University of Pennsylvania, MIT, Stanford, and UNC]*

- Spearheaded front-end development for an innovative x-to-earn sustainability app utilizing blockchain technologies
- Collaborating closely with cross-institutional teams to design and implement a user-friendly interface

## 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