



Yang Chen

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Education

University of North Carolina at Chapel Hill

2018 - 2022

Bachelor of Arts in Computer Science

GPA: 3.91/4.00

Skills

- **Languages:** Python, Java, HTML, CSS, Javascript, R
- **Technologies:** React, Git, Flutter SDK, TensorFlow, AWS, Linux, OpenCV, Bamboo, Redis, DynamoDB, Elasticsearch, MongoDB
- **Design Tools:** Adobe Photoshop, Figma, Blender

Experience

Chapel Hill Cafe Reservation | Fullstack Developer

Aug 2021 - Present

- Developing mobile application in **Flutter SDK** with **Firebase** integration for two UNC business clients to help university students reserve seating and promote business growth for local cafe owners
- Led weekly consulting meetings with clients to plan out project architecture, task priority and feature updates
- Researched, designed, and tested high fidelity wireframes for the clientside application using **Figma**
- Designed and deployed several frontend interfaces for the application's iOS platform using **Flutter**, **Firebase** and **Fastlane**

Freelance Developer | Freelance Developer

Jun 2021 - Present

- Redesigned the front page of **dorian-iten.com** for professional fine artist, Dorian Iten, to promote greater website accessibility and simplify user experience
- Led weekly planning meetings with the client to present and review frontend design features
- Developed an administrative database to organize student artwork using **Node.js** and **MongoDB**

Credit Suisse | Summer Technology Analyst

Jun 2021 - Aug 2021

- Conducted data analysis reports on SLA breaches across 10 departments which increased business oversight on application delivery by 40 %
- Collaborated closely with project teams to implement local interpretability for machine learning models on time series data using **Python**, **H2O**, **LIME**, and **SHAP**
- Analyzed user trends and provided business strategy recommendations in banking applications using **Elasticsearch**, **Kibana**, and **Filebeat**

Liberty Mutual Insurance | Software Developer Intern

May 2020 - Aug 2020

- Developed and deployed an internal content management API for secure company document management across all business departments using **React**, **Node.js**, and **Bamboo CI**
- Researched user experience and code performance improvements to provide developer team with additional options in scaling production
- Analyzed and indexed internal document data to reduce search times by 20% using **Amazon DynamoDB**

UNC Graphics And Virtual Reality Group | Research Assistant

Jun 2019 - Oct 2019

- Led code development of augmented reality personality for interactive user assistance using Unity, voice recognition and real-time image recognition with **OpenCV**
- Conducted optical character recognition and implemented visual question answering for text retrieval and analysis in natural environments using **OpenCV** and **C#**
- Performed comparison analysis on calibration methods for virtual model to real-world alignment with **OpenCV**

Activities and Leadership

Carolina Boxing | Head Trainer

Jan 2019 - Current

- Mentor over 200 students and Chapel Hill community members each year in Olympic boxing technique, conditioning, and sparring
- Compete in collegiate-level boxing bouts and coordinate local boxing events in the Southeast region