



Yang Chen

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Education

University of North Carolina at Chapel Hill

2018 - 2021

Bachelor of Arts in Computer Science

GPA: 3.91/4.00

Skills

- **Languages:** Python, Java, HTML5, CSS3, Javascript, R
- **Technologies:** React, Svelte, Tailwind, Git, Docker, Django, Firebase, Flutter SDK, AWS, Linux, OpenCV, Redis, MongoDB, PostgreSQL, Figma

Experience

Macedon Technologies | Software Consultant

Jan 2022 - Jan 2023

- Consulted directly with an international food distribution client to develop a fullstack inventory application used by thousands of concurrent internal users for their food and supply distribution chains across the United States and Canada
- Coordinated consolidation of 3 data systems into 1; resulted in over 30% less costs for the client business
- Developed user features and secure web APIs using a Java-based platform, **OracleDB** and **mySQL** to efficiently integrate multiple legacy systems and automate core business interactions
- Led two company-wide demos on designing integrations with Salesforce, AWS and internal applications
- Performed user and database load testing on internal company applications using **JMeter** to improve user interface load times by 35%

Freelance Developer | Freelance Developer

Jun 2021 - Dec 2021

- Redesigned the front page of **dorian-itien.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**

Projects

Yin Messaging

Dec 2022 - Present

- Realtime messaging application created with **Svelte** and **Pocketbase**. Deployed on Linode at chat.yangrchen.app

Activities and Leadership

Carolina Boxing | Head Trainer

Jan 2019 - Jan 2022

- Mentored over 200 students and Chapel Hill community members each year in Olympic boxing technique, conditioning, and sparring