

DAQI (JEN) CHEN

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EDUCATION

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

GPA (out of 4): 3.66

Coursework: Deep Learning (Python)*, NLP (Python)*, Machine Learning (Python* & R), Algorithms and Analysis, Computer Organization (MIPs), Data Structure (Java), Design Patterns (Java), System Programming (C), Analysis Methods (R), Linear Algebra, Probability, Global Healthcare Management

COMPUTER SCIENCE B.S. STATISTICS & OPERATION RESEARCH B.S.

August 2019 - December 2022

INTERNSHIPS / WORK EXPERIENCE

Goldman Sachs | Incoming Engineering Intern

Starting June 2022

United Nations Department of Economic and Social Affairs | Statistics Intern

January 2022 – Present

- Migrating data and documents into new information management platforms based on **ReactJS** and **MongoDB**.
- Extracting, modeling and organizing structured and unstructured data from legacy databases in **Python**.
- Contributing to the further development of **web-based micro-services** within the UN Statistical Commission.

LexisNexis Legal and Professional | Software Engineering Intern

May – December 2021

- Conducted a POC (proof of concept) on using **flair NLP** model in Python to recognize legal citation.
- Enhanced an internal tool built on **Java, JSP, Servlets, Struts framework and PL/SQL**.
- Automated PL/SQL changes in the back-end using **JDBC and Hibernate**, audit changes using **AWS S3**.

CS + Social Good | Projects Team

August 2020 – Present

- Developed collectively the portal for **500+ undergraduate students** at UNC CS Department.
- Set up dynamic routing in **NextJS** to render **React** components and interacted with **Firebase API**.

SKILLS

- **Programming:** Java, Python, C, JavaScript, ReactJS, HTML/CSS, Git, Unix/Linux
- **Data Analysis:** R, SQL, Firebase, MongoDB, Power BI, Tableau, MS Excel
- **Languages:** Mandarin (native), English (fluent)

PROJECTS

Firebase Admin Console | Python Flask API & ReactJS UI

- Built and deployed an administrative console for easy viewing and maintenance of **Firestore database**. (web app)
- Back-end API is built as a **Python Flask** app and deployed on **Heroku**. (github)
- Front-end UI uses **ReactJS framework** and is deployed through GitHub pages. (github)
- Documented the design choices and architectural processes on Notion. (design doc)

Hackathon Project | “And That’s On PERIOD!”

- Built an interactive website to teach little girls about their body with **Bootstrap, HTML, JS and CSS**.
- Winner of “Women Empowerment” by GWC@UVA; “Best Domain” by MLH; honorable mention for “Best Overall.” (github/youtube)

STAR Consulting Project | Hired by UNC Kenan-Flagler Business School

- Collaborated with 4 MBA and 1 other undergrad to consult a RTC-based biotech incubator.
- Applied **regression modeling** and **clustering analysis** in R and Excel.
- Recommended a pricing model for expansion initiative that projects to increase revenue by **over 10%** over 12 months.

EXTRACURRICULAR / LEADERSHIP

The Percentage Project | Campus Director at UNC-CH

- Working with the CS Department to conduct climate surveys aiming to highlight disparities within UNC CS and across the industry.

Duke – UNC China Leadership Summit 2022 | UNC Director

- Planning a conference on US-China Relations with **100+ delegates** featuring **over 20 speakers** in collaboration with Duke.

Carolina Mock Trial | Team Captain

- Selected to compete in University-level tournaments, learned litigation techniques, and developed case theories.