

DAQI (JEN) CHEN

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EDUCATION

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

GPA (out of 4): 3.66

Coursework: Computer Organization (MIPs), Data Structure (Java), Design Patterns (Java), System Programming (C), Analysis Methods (R), Linear Algebra, Probability, Global Healthcare Management

***Upcoming:** Machine Learning, Algorithms and Analysis, Models of Languages and Computation

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

August 2019 - December 2022

INTERNSHIPS / WORK EXPERIENCE

LexisNexis Legal and Professional | Software Engineering Intern

May 2021 - Present

- Enhanced AdminTool, an internal tool, using **Java, JSP, Servlets, Struts framework and PL/SQL**.
- Implemented features to automate PL/SQL changes in the back-end using **JDBC and Hibernate**.
- Hosted AdminTool Server on **AWS** using the CFT templates based on other running services.

UNC-CH Gillings School of Public Health | Undergraduate Research Assistant

May 2020 - Present

- Devised an **interactive dashboard for 30+ R and Python packages** to save statisticians time.
- Researched and evaluated **50+ matrix data integration packages** for analyzing omic datasets.
- Assisted research teams with **logistics, linear regression modeling, and data visualization in R**.

CS + Social Good | Projects Team

August 2020 - Present

- Developed collectively the **portal for 500+ undergraduate students** at UNC CS Department.
- Utilized **React** components and **External API** through **Airtable** to generate resources and upcoming events.

SKILLS

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

PROJECTS

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 the next company expansion initiative and revisions to current pricing that aims to increase revenue by **over 10%** over 12 months.

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)

Google App Script | Personal Projects

- Fetches, parses and displays **JSON-format COVID-19 data** from **REST APIs**. (github)
- Built an auto-submitting Google Form with data from Google Sheets in **JavaScript**. (github)
- Created a **customized function** as a **Menu Add-on** for Google Sheets. (github)

EXTRACURRICULAR / LEADERSHIP

Duke - UNC China Leadership Summit 2022 | Incoming 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.

Public Health 360 | Technology Chair

- Created organization's **electronic mailing list**, promoted UNC's first public-health focused student club.

Girls Who Code | Activities Committee Member

- Volunteered to create course materials in **Python**, partook in the movement to close gender gap in STEM.