

Cynthia Dong

Email: cynthiadong2000@gmail.com | Phone: (910) 599-5176 | LinkedIn: cynthiadong | GitHub & DevPost: cxd00
Portfolio: cxd00.github.io/see-ynthia

EDUCATION

University of North Carolina at Chapel Hill

May 2021

B.S. in Computer Science; Peace, War and Defense; Minor in Chemistry

Cumulative GPA: 3.82

Related Coursework: Data Structures, Differential Equations, Models of Language and Computation, Computer Organization, Algorithms and Analysis, Artificial Intelligence, Intelligence Analysis, AI for Earth Science, BioAlgorithms, Linear Algebra

Honors: Honors Carolina, Buckley Public Service Scholar, Dean's List (all semesters), Phi Beta Kappa

SKILLS

Programming: Python, Javascript, Pandas, Java, Salesforce, Tensorflow, Typescript, Angular, Mathematica, C, MIPS

Languages: Intermediate Spanish, Conversational Chinese

PROJECTS

Modeling COVID-19 with Machine Learning | COMP 590 | March – May 2020

- Gathered, cleaned, and processed thousands of datapoints on COVID-19, demographics, and weather patterns using **Pandas**.
- Trained, optimized **Scikit-learn random forest** and **gradient boosting models** to identify drivers of COVID-19 transmission.
- Generated figures and authored research paper on our results (submitted to the 2020 NeurIPS conference).

Disaster Alert | Pearl Hacks | 2nd Place Best Use of Google Cloud | February 2020

- As a team, combined **Bandwidth's API** with our custom **Python Django** backend API to create a disaster relief and mitigation system to texts subscribers with relevant information.
- Parsed text responses —queried from **Firestore** — with **Google Cloud NLP**, matching aid donors and requesters.
- Created an **AWS**-hosted **Javascript** web app to register for the text service, storing user data in **Google Firestore**.

Campus Watch | Pearl Hacks | BNY Mellon (Best User-Driven Hack) | February 2019

- Web app, written with **Javascript**, **HTML**, **CSS** that allows users to geographically pin instances of hate speech, assault, and vandalism in order to elevate the challenges that minorities and women face daily.
- Connected the UI to **Google Firestore**, connected to and customized the map with the **Google Maps API**.

WORK EXPERIENCE

Neural Engineering Lab | Student Research Assistant | Chapel Hill, NC

December 2019 – Present

- Used **Tensorflow** to code a **real-time GPU-based** motion correction/processing **Keras** model and pipeline for voltage movies, increasing speed by two orders of magnitude, for a paper on online signal extraction from neurons.
- Coded queued, threaded real-time capture of mouse behavior in **Python**, coordinating times with a microscope setup.

ResNET | Residential Computing Consultant | Chapel Hill, NC

August 2019 – Present

- Address dozens of IT and computer-related issues of residents, from ethernet connections to broken space bars.
- Host 'Tech Fairs,' to educate residents about ResNET and provide services like 3D printing and laptop cleanings.

The Daily Tar Heel | University Desk Reporter | Chapel Hill, NC

August 2018 - Present

- Interview sources, from deans to students, and represent their views with honesty and accuracy.
- Write compelling and informative articles for the UNC community on deadline, working closely with editors.
- Investigate compelling leads on high-impact stories that often fly under the radar of the UNC community.

nCino | Developer Intern | Wilmington, NC

May 2019 - August 2019

- Learned **Salesforce**, **Apex**, **Visualforce**, and **Angular** to create pages displaying complex loan information.
- Chased down bugs in the system and created efficient, secure fixes for the bugs.
- Analyzed and planned out product designs individually and at daily meetings, working as part of a scrum team.

Public Impact | Intern | Chapel Hill, NC

May 2018 - August 2018

- Analyzed detailed written data from around 15 charter applications totaling around 4500 pages per day.
- Compiled an end-of-summer project on the use and history of Big Data in Google for the President and VP.

EXTRACURRICULARS

HackNC and Black in Technology | Graphics Director | UNC-Chapel Hill

March 2019 - Present

- Create cool graphics for posters, banners, t-shirts, stickers, and sponsorship packets with **Adobe Illustrator**.
- Communicate and work with other directors and club members to give 600+ hackers the best experience possible.

Technology Without Borders | Tutor | Durham, NC

August 2018 - Present

- Guide 5th and 6th graders at the Emily K. Center through Hour of Code challenges for an hour, weekly.
- Explain coding concepts simply and clearly while maintaining a positive attitude.