

Cynthia Dong

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EDUCATION

University of North Carolina at Chapel Hill

May 2021

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

Cumulative GPA: 3.78

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

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

SKILLS

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

Languages: Intermediate Spanish, Conversational Chinese

PROJECTS

Disaster Alert | Pearl Hacks | 2nd Place Best Use of Google Cloud | May 2019

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

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 Firebase**, connected to and customized the map with the **Google Maps API**.

On the Issues | Hack NC | 10th Place Overall | October 2018

- Collaborated with two students from different universities to develop an **Alexa Skill** with a **JS Node** backend that allows voters to search for candidates by issue, instead of by candidate, with Amazon Echo.
- Coded the back end and implemented the code on the **Alexa** front end, specifying key words and questions.

WORK EXPERIENCE

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

December 2019 – Present

- Coded multi-processed real-time capture of mouse behavior in **Python**, coordinating times with a microscope setup.
- Trained machine learning models to recognize mouse appendages.

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 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.

UNC Hospitals Volunteer | Sock Monkey Lady | Chapel Hill, NC

October 2017 - Present

- Hand-stitch sock monkeys for children undergoing major surgery at UNC Hospitals.