

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: 3.79

Related Coursework: Data Structures, Differential Equations, Models of Language and Computation, Computer Organization, Algorithms and Analysis, Artificial Intelligence, Computer Security Concepts

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

SKILLS

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

Languages: Intermediate Spanish, Conversational Chinese

PROJECTS

[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.

Honey Bee Population Dynamics Research | Published in *Broad St. Scientific* 2016

November 2015 - April 2016

- Modeled honey bee population dynamics to investigate the sudden decrease of bee colonies using **VenSim** with a modified SIR differential equation, with **Mathematica** to analyze the data produced.
- Dong, C. (2016). Modeling Causes of Honey Bee Colony Collapse Through Population Dynamics. *Broad Street Scientific*, 5, 58-64. Retrieved from https://issuu.com/broadstreetscientificpublication/docs/bk9874_final2016.

WORK EXPERIENCE

ResNET | Residential Computing Consultant | Chapel Hill, NC

August 2019 - Present

- Address the computer-related issues of my residents through a ticketing system, responding promptly.
- 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.
- Investigate compelling leads on high-impact stories that often fly under the radar of the UNC community.

Major Lab | Student Research Assistant | Chapel Hill, NC

February 2018 - Present

- Work as a team with researchers to run experiments to determine cancer cell-signalling pathways.
- Prepare chemical solutions, DNA transfections, cell culture, and other detail-oriented procedures weekly.

nCino | Developer Intern | Wilmington, NC

May 2019 - August 2019

- Learned **Salesforce**, **Apex**, **Visualforce**, and **Angular/Angular JS basics** within two weeks.
- Chased down bugs in the system and created efficient, secure fixes.
- Analyzed, planned, and executed product designs as part of a scrum team.

EXTRACURRICULARS

HackNC | Graphics Director | UNC-Chapel Hill

March 2019 - Present

- Visualize and generate themes, palettes, and ideas in pursuit of a more beautiful hackathon.
- 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.
- Encourage disadvantaged students to see computer science as a career path within their grasp.

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

October 2017 - Present

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