

Ganning Xu

EXPERIENCE

UNC-Chapel Hill, Chapel Hill, North Carolina— *Internship (Remote)*

Jul 2021 - Sep 2021

- Used Python, the Twitter API, NLP, and machine learning to analyze the relationship between the sentiment of tweets about addiction and getting help from addiction.
- Compiled a database of 11,800 publically available tweets, each either relating to getting help for opioid treatment or about being addicted to opioids.
- **Results:** The public generally has a more positive sentiment when communicating their opinions about opioid treatment, but a negative sentiment when talking about opioid addiction or using opioids for pain. [Link to poster](#).

Bit Project, Davis, California — *Student Developer (Remote)*

Jul 2021 - PRESENT

- Created [CounselorBot](#), an open-source GitHub bot designed to guide students through any GitHub curriculum.
- Helped host [Serverless Conference: Student Edition](#), a tech conference dedicated to students interested in Serverless.
- Designed and built the Bit Project [website](#) using React and NextJS.

The Coding Foundation, New York City, New York — *Internship (Remote)*

Feb 2021 - Jun 2021

- Created a curriculum focused on teaching students in grades K-12 about the basics of JavaScript and how it can be used to create meaningful applications.
- Tutored students who have no previous experience in Python using a 6-week curriculum about input/output, conditionals, functions, and loops.

EDUCATION

North Carolina School of Science and Math — *High School Junior*

Aug 2021 - Jun 2023 (planned graduation)

SAT: 1560 GPA: 5.00

Coursework: Data Structures with C, AP Computer Science Principles, Python Programming

Clubs: Machine Learning Club, Computer Science Club, Code4Charity Project Leader

PROJECTS

Focale - Chrome Extension

Coded a Chrome Extension to help students focus and study on homework without being distracted. Currently, 401 people across 15 countries use [Focale](#).

AWS Lambda Workshop

Created a 1.5-hour [workshop](#) about AWS Lambda to be presented to attendees at the 2021 Serverless Student Edition Conference. Helped new programmers create Catti using serverless Lambda functions.

Morrisville, NC 27560

(919) 527 - 9302

ganningxu@gmail.com

[LinkedIn](#)

[Portfolio Website](#)

SKILLS

Python3, JavaScript, NodeJS, Java, C, Azure Functions, React, NextJS, HTML, CSS, Bootstrap

LEADERSHIP

Cofounder: Panther Creek Aviation Club

Youth Ambassador: NCAAT

Event Coordinating Committee: Morrisville Youth Leadership Council

AWARDS

Winner of 2021 Congressional App Challenge

1st Place: Create an App at Wake County STEM Fair

2nd Place: App Mockup at Wake County STEM Fair

2nd Place: 2020 RTP High School Hackathon

9th Place at Hack the Cloud 2.0: Spotion AI

12th Place: 2021 SciOly Disease Detectives

RESEARCH

Sentiment Analysis on Opioid Use Addiction ([Poster](#))

Effects of Ethanol on *D. melanogaster* ([Poster](#))

Public's Opinion on DNA Fingerprinting ([Website](#))

LANGUAGES

English - Bilingual proficiency

Chinese - Bilingual proficiency