Ganning Xu

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EXPERIENCE

Verste, Founder (Jan 2022 - Present)
• Founder of [Verste](#), a non-profit organization that simplifies research papers to make technical education more accessible.

Bit Project, *Director of Engineering (Jul 2021 - Present)*
• Created [CounselorBot](#), an open-source GitHub bot designed to guide students through any GitHub curriculum.
• Hosted [Serverless Conference: Student Edition](#), a tech conference dedicated to students interested in Serverless.
• Designed and built the Bit Project [website](#) using React.js and Next.js.

UNC-Chapel Hill, *Researcher (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.
• **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.

The Coding Foundation, *Director of Web Development (Dec 2021 - Present)*
• Currently leading a global team of 13 interns to develop and maintain a website for The Coding Foundation using React.js, Next.js, and ChakraUI.
• Created a six-week curriculum covering JavasScript concepts taught to 200+ students.

EDUCATION

North Carolina School of Science and Math — *High School Junior*
SAT: 1560   **GPA:** 5.00
Coursework: Research in Computational Science, Data Structures with C, AP Computer Science Principles, Python Programming, Data Science
Clubs: Student Government, Machine Learning Club, Computer Science Team, Valence Robotics, Rocketry, Varsity Swim
Volunteering: 200+ hours total with Town of Cary, Miracle League, and the AHA.

PROJECTS

Focale - Chrome Extension
Created a Chrome Extension to help students focus and study on homework without being distracted. Currently, 509 people across 39 countries use [Focale](#).

SLTranslate
Developed a mobile app that allows users to translate from sign language to English using an app. SLTranslate does this by using a kNN machine learning model trained on over 80,000 images.

SKILLS

Python, JavaScript, NodeJS, Java, C, Azure, React.js, Next.js, SCSS, CSS, jQuery, Bootstrap, Redux

LEADERSHIP

Founder: NCSSM CyberUnicorns
Cofounder: NCSSM Software Development Club
Cofounder: Panther Creek Aviation Club
Programming Lead: Valence Robotics (FRC Team 8429)
Student Leader: #IAmCS

AWARDS

Scholarship - Bit Project
Scholarship Semifinalist - National Cyber Scholarship
State Winners - Samsung Solve For Tomorrow
1st Place: 2021 Congressional App Challenge
1st Place: Create an App at Wake County STEM Fair
2nd Place: 2020 RTP High School Hackathon
9th Place: Hack the Cloud 2.0
Coach's Award: Varsity Swim
School Record: Varsity Swim

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*