

# Kevin Childs

## Contact

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## Education

### North Carolina State University

- Graduating May 2023
- Computer Science
- Cybersecurity Concentration
- Minor in Cognitive Science
- 3.8 GPA

### Canyon High School

- Class Rank 1/520
- 4.78 GPA (4.0 unweighted)

## Honors

- CyberCorps®: Scholarship For Service recipient,
- Valedictorian and Athlete of the Year at Canyon High School
- 2x USA Swimming Scholastic All American

## Hobbies

- Hiking and rock climbing
- Cooking
- Swimming
- Cycling

## Research Experience

### Strava De-Anonymization Research (July 2022 – present)

Discovered a vulnerability in a fitness social network that allows the home address of private accounts to be discovered. Leading of a team of five toward automating the de-anonymization of data. Documenting results for publication in 2023.

### SMS Abuse Research (May 2021 - present)

Worked on a team to study and detect SMS phishing. Built an infrastructure to crawl, organize, and store millions of text messages for a SMS phishing analysis in MongoDB. Developed methods to extract phishing messages from the dataset.

## Other Experience

### Senior Design (August 2022 – present)

Served as team lead for a senior design group working with Cisco to develop a security infrastructure. Developed a tool that leverages OSQuery for vulnerability analysis and CIS benchmarking. Our full stack, scalable, and open-source web application, processes logs, and generates live security feedback for a network of servers.

### FAA Test Intern (June 2022 – August 2022)

Shadowed FAA employees who tested the air traffic control infrastructure. Independently led and intern team to build a data display tool for debugging. Developed high level understanding for the structure of a government agency.

### Relevant Course Work

Network Security • Identity and Access Management • Privacy • Software and computer security • Software Engineering • Senior Design • Cryptography

## Community Engagement

### Campus Involvement (August 2020 - present)

Second graduating class within the cybersecurity concentration. Provided feedback on curriculum as part of the SFS CyberCorps Scholarship. Actively participated in discussions relating to the reworking of the curriculum, and courses in a way that emphasizes cybersecurity.

### Cybersecurity Lectures (August 2021- August 2022)

Worked with schools in Raleigh and Southern California to educate about cybersecurity. Gave over 10 lectures on different cybersecurity topics from identity and access management to buffer overflows with the goal of teaching people the importance of the field. Started connections between high schools and NC State students for future lectures.

### Public Piano Performances (Spring 2021 – Fall 2022)

Organized public piano performances at the Crossroads Plaza in Cary. Connected local NC State Students to perform in front of a public audience. Advocated for campus to have more public pianos and helped grow and connect the Raleigh piano performance community.

## Skills

MongoDB • Github • Python • SQL • Java • Scrapy  
Puppeteer • Grype • CIS Benchmarking • SBOM Creation  
OSQuery • Flask • Docker • Pytest • VS Code

