

## Education

### B.S.E. in Computer Science

2020 – 2024

Princeton University

- Courses: Information Security, Advanced Programming Techniques, Economics and Computing, Reasoning About Computation, Introduction to Programming Systems, Data Structures and Algorithms, Introduction to Data Science, Linear Algebra, Multivariable Calculus
- Minor in music (vocal performance)
- Activities: Chamber Choir, COS 226/217 Teaching Assistant, Women's Rugby Team (2021-2023)
- GPA: 3.85

## Work Experience

### Offensive Security Research Intern

Summer 2023

Intel Corporation

- Designing novel approaches for performing bug deduplication after fuzzing campaigns

### COS 226 / 217 Teaching Assistant

September 2022 – April 2023

Princeton Department of Computer Science

- Guided students through debugging programming assignments for COS 226 (Data Structures and Algorithms) and COS 217 (Introduction to Programming Systems)
- Reviewed code in Java, C, and ARM assembly language

### Full Stack Developer

September 2022 – January 2023

Independent Project - TackleMate

- Developed a web app to provide personalized feedback on user-inputted videos of rugby tackling drills
- Used Google's MoveNet Lightning pose estimation model to detect locations of body keypoints
- Evaluated literature on common characteristics of unsafe tackles to select areas for feedback: tackle height, acceleration into contact, and arm wrapping

### Undergraduate Researcher

Summer 2022

Princeton-Intel Research Experience

- Researched adversarial patches, stickers which can be applied to images or real-world objects to cause misclassification when fed to image recognition models
- Began developing a framework which does not rely on a particular model architecture or knowledge of the patch size to defend against adversarial patches

## Technical Skills

Beginner • Intermediate • Advanced

C

Git

Wireshark

HTML / CSS

SQL

Java

AFL++ Fuzzing

ARM Assembly

JavaScript

MATLAB

Python

Bash

Computer Forensics

Flask

R

## Awards and Certifications

(In progress)

Profiles in Intellectual Generosity

Studying for CompTIA Security+ Certification

McGraw Center for Teaching and Learning