

Joey Holtzman

joeyholtzman0507@gmail.com · joeyholtzman.com · github.com/jdholtz · linkedin.com/in/joey-holtzman

EDUCATION

Stanford University **Sep 2023 - Present**

B.S. Computer Science

- GPA: 3.99
- Relevant Coursework: Operating Systems Principles, Design & Analysis of Algorithms, Computer Organization & Systems, Programming Abstractions

Plainfield North High School **Aug 2019 - May 2023**

- GPA: 4.68; Top 5% in my class
- Computer Science Club President
- Ranked in the 99% percentile on both the SAT and ACT

EXPERIENCE

STEP Intern, Google ChromeOS Inputs **June 2024 - Sep 2024**

- Developed a new testing API to measure touchscreen latency regressions on all ChromeOS devices
- Utilized robots that simulate human motion, wrote design docs, and collaborated with engineers on code reviews
- Participated in a week-long exercise with the offensive security team to examine potential attack vectors on internal services using company-wide information on Google Groups.

Vice President and CPTC/CCDC Competitor, Stanford Applied Cyber **Sep 2023 - Present**

- Helping develop tools and write business injects for the CCDC and CPTC competitions
- Learning effective penetration testing and cyber defense strategies

Data Science Intern, Northwestern University **Jun 2022 - Sep 2023**

- Created automated stress tests for Deep Learning models using Kubernetes and Python
- Improved unit and integration testing coverage for the project's infrastructure by 80%

PROJECTS

Auto-Southwest Check-In **Sep 2021 - Present**

[Project Link](#) | *Python*

- Automatically checks users into their Southwest flights and monitors their flights for lower prices
- Has been used by hundreds of people and has had numerous contributors

SnakeAI **Apr 2022 - May 2022**

[Project Link](#) | *Java*

- Uses machine learning and a genetic algorithm to play Snake
- Implements a neural network without any external libraries

SKILLS

- **Languages:** Python, Golang, C++, TypeScript, Bash
- **Technologies:** Unix, Git, Metasploit, Docker, Kubernetes, Selenium
- **Security-focused:** Penetration Testing, Network Analysis

AWARDS & CERTIFICATIONS

- **Offensive Security Certified Professional** - OffSec | 2024
- **GIAC Security Essentials** - SANS Institute | 2024
- **GIAC Foundational Cybersecurity Technologies** - SANS Institute | 2023
- **McCormick Engineering Excellence Award in Deep Learning** - Northwestern | 2023

HOBBIES & INTERESTS

- Hiking, Jump Roping, Calisthenics