

Joey Holtzman

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EDUCATION

Stanford University

Sep 2023 - Present

B.S. Computer Science

- GPA: 4.03
- Relevant Coursework: Computer Organization & Systems, Operating Systems Principles, Mathematical Foundations of Computing, 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

Stanford Applied Cyber Member

Sep 2023 - Present

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

Data Science Intern, Northwestern University

Jun 2022 - Sep 2023

- Created automated tests for Deep Learning models in extreme conditions 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, C++, Go, C, Java, Bash, TypeScript, HTML/CSS, x86 assembly
- **Technologies:** Unix, Git, Metasploit, Docker, Kubernetes, Selenium,
- **Security-focused:** Penetration Testing, Network Analysis

AWARDS & CERTIFICATIONS

- **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
- Philosophy, Gardening