

Flora Schmitz

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Education

Undergraduate

Colorado College, May 2028
BA in Computer Science

High School

Shawnee Mission North High School, May 2024
Weighted GPA: 4.6

Achievements & Certifications

[CompTIA Security+ certified](#)

OSHA 10-Hour Construction certified
Kansas State Seal of Biliteracy in Spanish
National Merit Commended Scholar

Experience

System Admin and IT Internship

August 2018 – Present

Kieva, Inc.

- Re-images several dozen laptops in one week to jumpstart a statewide COVID-19 vaccination effort
- Establishes remote monitoring and management of high-priority networks for a national-scale company, saving thousands of dollars as a result of reduced downtime
- Resolves challenging hardware issues on multiple devices for a large-scale digital signage installation
- Self-manages several remote projects, including time tracking and communication

System Admin and Purple-Team Cyber Specialist

July 2024 – March 2025

Cornerstone Integration, Inc.

- Secured and maintained a high-priority web API integrated with embedded devices over a period of six months
- Led a project developing an NGINX-based API security gateway to protect critical automotive infrastructure
- Performed security fuzzing on a variety of high-security firmware applications
- Developed and maintained business websites that are still in use by the company

Programming Lead and Vice President

August 2021 – May 2024

Shawnee Mission North High School Robotics Club

- Created a task management system that allowed programming and mechanical teams to work together seamlessly, which is still in use to this day
- Managed complex and often conflicting interests between various parts of the team
- Wrote and/or reviewed 5000+ lines of embedded Java code for 2022, 2023, and 2024 competition robots

Competitor

August 2021 – May 2024

Shawnee Mission North High School Speech and Debate

- Gained self-confidence and interpersonal skills through competition in 150+ rounds of speech and debate
- Qualified to four national and three state tournaments

Crew Member

April 2023 – September 2023

Planet Sub

- Created a new system to effectively balance tasks between crew members, resolving significant conflicts

Marina Worker

June 2022 – August 2022

Johnson County Parks and Recreation District

- Learned to work effectively with leadership
- Handled complex and stressful situations like hourly rushes and guests falling in the lake

Skills

- Python
- Rust
- Java
- Docker
- Robotics
- Basic shell
- Web development
- Sysadmin and Linux
- Cybersecurity
- Embedded software
- A bit of Swift, JS/TS, Lua, and Vala