

Phillip Johnson

Determined Computer Scientist with a focus on Cybersecurity and proven experience in hardware reverse engineering research. Seeking opportunities to further apply my skills and knowledge.

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[Personal Portfolio](#)

[LinkedIn](#)

EXPERIENCE

Colorado State University Undergrad Research Assistant, Fort Collins Co - [Hardware Reverse Engineer](#)

May 2023 – Present

- Researching Hardware Reverse Engineering as a security enhancing framework.
- Lead information gathering and PCB schematic recreation to find hidden hardware vulnerability.
- Develop and implement an attack on a Blackbox device, affecting its output and trustworthiness by up to 30%.
- Performed 6 controlled experiments to ensure our attack was successful and was statistically significant.
- Co-authored ifipsec 2024 conference research paper contributing our experience in reverse engineering.

Advanced Auto Parts, Fort Collins Co — [Retail Parts Pro](#)

January 2022 – May 2023

- Assisted hundreds of customers in finding the correct part for their automotive issues.
- Maintained and surpassed daily and period sales goals.
- Demonstrated comprehensive knowledge of automotive components and their impact on vehicle performance.
- Oversaw front of store operations, ensuring smooth sales and customer satisfaction.

Mod Pizza, Parker CO — [All-Star](#)

January 2019 - July 2021

- Opened new Mod Pizza location in Parker, rapidly mastering all job responsibilities.
- Promoted to the position of All-Star the day I turned 18 because of constant performance and the ability to adapt.
- Received training on how to onboard new hires and teach them the roles of the job.
- Ensured smooth operations and collaboration among team members to maintain a positive and efficient work environment.

Everyday Skills

- Leadership
- Adaptability
- Flexibility
- Communication

Programming Skills

- Scrum/Agile Team Development
- Object Oriented Programming Design
- Wireshark
- GitHub
- Front End Development
- Test Driven Development
- Penetration Testing
- Reverse Engineering

Languages/Technologies

- C/C++
- SQL
- Java
- JavaScript
- Python
- HTML
- CSS
- React
- Swift

King Soopers, Parker Co — *Cashier*

November 2017 - October 2018

- Started my first job as a Courtesy Clerk responsible for collecting carts and bagging groceries.
- Promoted to Cashier quickly because of work ethic and respect for customers.
- Serviced hundreds of customers daily.

EDUCATION

Colorado State University, Fort Collins Co — *BS Computer Science*

August 2020 – May 2024

Graduating with a concentration in Networking and Security and a minor in Mathematics. I have a passion for exploring the intricacies of cybersecurity. I am currently researching the benefits of Hardware Reverse Engineering as a framework to discover new attack vectors. Through my coursework, I have gained a strong foundation in leadership, adaptability, and effective communication. Equipped with an array of programming skills, including Scrum/Agile Team Development, Object-Oriented Programming Design, and Test-Driven Development, I am eager to begin my career and contribute to a team.

Educational Experiences

- Team Driven Development:
 - Three different semester long Scrum team projects.
- Object Oriented Design
 - Practiced using Object Oriented design principles to improve software development.
- Cybersecurity and Networking:
 - Studied most common Security and Networking protocols.