David Fentz

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Technical Skills

Programming Languages: Python, Java, C, Arduino code, HTML, CSS, Javascript.

Tools: Burpsuite, ANT, Andriod Studio (*adb* and *apktool*), VirtualBox, Git, WireShark, SDR#, Audacity, Aircrack-ng Suite, Junit, Node, Vue, etc.

Operating Systems: Comfortable in Windows and multiple Linux distributions (Debian, Ubuntu, Kali).

Education

Bachelors of Science in Software Engineering   **2015-2019**

Arizona State University, Tempe, AZ   **GPA: Overall-3.66 Major-4.0**

- Dean's List.

Projects

- In my free time I've built projects with microcontrollers (mostly Arduino), developed basic keystroke injection payloads, and completed radio frequency replay attacks on my car (by reverse engineering my key fob protocol).

Experience

Application Security Intern, Starbucks Coffee Company   **(June 2018 - August 2018)**

- Designed and implemented a service that searches Github for leaked information, ranks by sensitivity, and sends results via email to the Application Security team; found a leak in 2nd week.

- Learned how to effectively communicate with management in order to define deliverables, troubleshoot barriers, and change course when necessary.

- Placed 4th in a hackathon focused on web app pen-testing and reverse engineering an android app. Techniques included: SQL injection, XSS, basic cryptography, modifying android apps.

Barista/Shift Supervisor, Starbucks Coffee Company   **(May 2012 – Nov 2018)**

- Developed strong communication skills within a diverse team.

- Learned how to optimize the outcome of customer interactions in every scenario.

Arizona State University   **(2015 - 2019)**

- Lead the development of applications with student teams, utilizing *Agile* and *Scrum* methodologies, using tools like *Slack* and *Jira*.

- Developed multithreaded applications (an image blurring algorithm) in C.

- Implemented basic systems with Java RMI and JSON-RPC.

- Currently building a web app for a startup using a MEVN stack.