

Jacob Farabee
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AREAS OF INTEREST

I am a junior cybersecurity student with over one hundred hours hands-on experience with binary exploitation, looking to jumpstart a career in network security. I look forward to working on projects concerning cyber forensics, intrusion detection & mitigation, user privacy and penetration testing.

EDUCATION

- **Arizona State University** Tempe, AZ
B.S., Computer Science (Cybersecurity), GPA 3.20 *Aug. 2018 – est. Dec. 2021*

TECHNICAL KNOWLEDGE

- **Languages (Comfortable):** Java, C/C++, Python, Bash, x86 Assembly, SQL
- **Languages (Intermediate/learning):** Rust, JavaScript
- **Security Technologies:** pwntools, pwndbg/GDB-GEF, r2, rop-gadget, Ghidra/Angr
- **Security Concepts:** Shellcoding, Sandbox Escape, Binary Reverse Engineering, ROP Attacks, Kernel Exploitation, Dynamic Allocator Misuse, Race Condition Exploitation, Stack Smashing, JIT Spray, SQL Injection

PROJECTS

- **SunHacks 2019:** Mobile app to overlay socioeconomic status and natural disaster information pulled from ArcGIS.
- **EmergenTech 2020:** Decentralized vaccine distribution tracking network built on Ethereum technology with NodeJS frontend.

EXTRACURRICULAR ACTIVITIES

- **pwndevils/Shellphish:** August 2020 - Present
- **Album Listening Club:** January 2020 - Present
- **Software Development Association:** August 2018 - Present

WORK EXPERIENCE

- **Arizona State University Economics Department** Tempe, AZ
Office Assistant *September 2019 - May 2020*
 - **Responsibilities:** Maintaining front office stock, processing reimbursement paperwork, printing final exams for dozens of classes.