SETH SAWANT

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EDUCATION

University of Illinois at Urbana-Champaign — *August 2017 - Present*
B.S. in Computer Engineering — Overall GPA: 3.53/4.00
College of Engineering Dean's List — Technical GPA: 3.86/4.00
Expected Graduation: May 2021

TECHNICAL STRENGTHS

Computer Languages	C/C++, Python, x86, HTML
Software & Tools	Linux CLI, Wireshark, Arduino, Ghidra

EXPERIENCE

U.S. Army AFC Combat Capabilities Development Command — May 2019 - August 2019
C5ISR Night Vision and Electronic Sensors Directorate Intern — *Fort Belvoir, VA*

· Assisted Directorate engineers with both hardware and software sensor system development and integration with the Army's Next Generation Combat Vehicle prototypes from the lab and in the field
· Developed Python-based GUI applications to analyze and log UDP-based sensor activity and system status, which helped to drastically decreased debugging and configuration time of systems in the field
· Praised by coworkers for varied skill-set and attention to detail with software and reports produced

Association of Computing Machinery - SIGPwny — August 2018 - March 2019
Offensive Security Group Team Member — *Champaign, IL*

· Worked with University faculty and staff to carry out a penetration testing engagement on one of the Computer Science department's largest undergraduate courses
· Used knowledge of web exploitation and network attacks to help assess security of various course-critical systems such as homework autograders, class forums, and attendance monitors
· Learned about the intricacies of conducting active information gathering on a live target

PROJECTS

ESP32 Game Boy Emulator - Created a lightweight 1989 Nintendo Game Boy emulator in C that is capable of running on a ESP32 system-on-a-chip as a part of a project that aims to replace the internal logic board inside the Game Boy's original hardware

RELEVANT COURSEWORK

ECE 391: Computer Systems Engineering	CS 460: Security Lab
ECE 408: Applied Parallel Programming	CS 225: Data Structures

EXTRACURRICULARS AND LEADERSHIP

UIUC Climbing Club	ACM	Illini Drone Racing	IEEE