

SETH SAWANT

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EDUCATION

University of Illinois at Urbana-Champaign

B.S. in Computer Engineering

Edmund J. James Honors Scholar

Expected Graduation: May 2021

August 2017 - Present

Overall GPA: 3.51/4.00

Technical GPA: 4.00/4.00

TECHNICAL STRENGTHS

Computer Languages

C/C++, x86, Python, HTML, Clojure

Software & Tools

Linux CLI, Radare2, Wireshark, Metasploit, John the Ripper

EXPERIENCE

Association of Computing Machinery - SIGPwny

August 2018 - Present

Offensive Security Group Team Member

- 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

GosuGamers.net

September 2014 - March 2017

Senior CSGO Editor

- Wrote announcements on the latest news in eSports as well as created feature pieces for the site
- Managed volunteer staff and made sure assigned work was completed by them in a timely manner
- Gained experience in HTML as well as other aspects of front end web design

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

Custom Wifi Switch - Hacked a cheap ESP2866-based WiFi smart switch to run custom networking firmware built using a modified MicroPython implementation and WebSockets, which enabled it to be controlled through simple HTTP GET requests sent from Google Assistant

RELEVANT COURSEWORK

ECE 391: Computer Systems Engineering

CS 460: Security Lab

ECE 220: Computer Systems & Programming

CS 225: Data Structures

EXTRACURRICULARS AND LEADERSHIP

Illini Drone Racing - Participated as a junior member with tuning flight controller firmware for team quadcopters and occasionally as a pilot for events

UIUC Climbing Club - Participated as a junior member with tuning flight controller firmware for team quadcopters and occasionally as a pilot for events