

# SETH SAWANT

102 South Lincoln Avenue ◇ Apt 201 ◇ Urbana, Illinois 61801  
(+1) 609-422-7817 ◇ sethsawant@gmail.com

## 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: 3.58/4.00

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 CS:GO 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

---

UIUC Climbing Club

ACM

Illini Drone Racing

IEEE