

ian klatzco

iklatzco AT gmail DOT com

Education

- 2015 - 2019 **Bachelor's, Computer Engineering** — University of Illinois at Urbana-Champaign 3.30 GPA
- Chancellor's Scholar — Selective (top 2% of class) honors program.
 - Undergraduate TA — Taught other students data structures and operating systems.
 - Completed research projects and self-study in security and systems coursework.

Experience

- 2018 **Software Engineering Intern (Remote) — GRIMM (SMFS, Inc.)**
- Developed "Killerbeez" fuzzing framework and wrote conference submissions, documentation.
 - Simplified build system and streamlined API amidst work by other developers.
 - Made the fuzzer cross-platform, porting it to Linux and Mac.
- 2017 **Undergraduate Research Intern — Network Security Research Group**
- Reverse engineered 10+ cable modems from a large telecom provider.
 - Analyzed firmware and memory dumps to extract filesystems and develop exploits.
 - Found 30+ CVE-worthy vulnerabilities, enabling WiFi-range root on affected devices.
- 2016 - 2017 **Software Engineer — Anheuser-Busch InBev**
- Prototyped IOT coaster for bar startup within Anheuser-Busch.
 - Satisfied space and power constraints imposed by embedded nature of device.
 - Learned to work on a team that wasn't exclusively engineers.

Activities

- SIGPwny** **President (Security Club)** sigpwny.com
- Presented on UIUC student privacy at THOTCON 8, a 1,000+ attendee industry conference.
 - Presented on radical kindness in university security clubs at Cyphercon 4.
 - Developed and taught security exercises every week to a classroom of 20-40 students.
 - Founded senior group developing custom fuzzers for major operating systems and web browsers.
 - Obtained \$5,000 in funding to buy a server, install it in a datacenter, and train sysadmins.
 - Obtained \$5,000 in funding to take a group of 10 underclassmen to their first security conference.
- DDRillini** **Treasurer (Rhythm Game Club)** ddrillini.club
- Ran 3 yearly international tournaments of 130+ entrants, growing them about 10% each year.
 - Developed VR tech demo, tournament software, and features/bugfixes for open source project.
 - Managed \$5,000 budget. Maintained Linux game cabinet, teaching 20+ others maintenance skills.
- **DC217 and CU2600** — Cofounded and helped organize monthly security meetups.
 - **Eagle Scout** — Oversaw construction of handicap-accessible picnic tables for developmental disability home.
 - **SIMUN (Model United Nations)** — Organized 200 attendee conference. Chaired in Oldenburg, Germany.

Skills

- Programming **Python, C, x86/RISC-V ASM, Lua, C++, Haskell, SystemVerilog, Ruby, HTML, JS, CSS, SQL, Rust**
- Tooling **Git, gdb, CMake, Bash, Flask, AWS, IDA/Binja/radare2/Ghidra, Wireshark**
- Languages **English (native), Spanish (professional working proficiency), Polish (limited working proficiency), Japanese (intro)**