

Thomas Quig

Computer science (cybersecurity) student looking for Summer internships

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EDUCATION

University of Illinois
Bachelors of Science

Urbana-Champaign, IL
EXP 2022

Relevant courses: Communications Networking, Computer Security, Computer Architecture, Systems Programming, Virtual Reality, Numerical Methods, Probability & Statistics in CS.

GPA: 3.5/4.0 (3.57 Technical)

EXPERIENCE

Trail of Bits
Intern

New York, NY
Dec 2019-Jan 2020

- Worked remote for Trail of Bits over the 2019 Holiday season. Successfully integrated Ethereum smart contract upgradeability safety checks into Trail of Bits Ethereum security web app Crytic.
- Worked with full stack, including a Python based back-end, ReactJS website, and SQLAlchemy db

ACM-SIGPwny
Executive/Administrator

Urbana-Champaign, IL
Fall 2018 – Present

- Attend and lead weekly meetings of the University of Illinois cybersecurity interest group. Present meetings on various cybersecurity practices to student crowds of 20 or more
- Developed and helped coordinate multiple recruitment events including a fall CTF tournament, resulting in significantly increased attendance.

Illini Tech Services
On-Site Consultant

Urbana-Champaign, IL
Fall 2019 - Present

- Support faculty, staff, and students by appointment to swiftly troubleshoot technology issues
- Tasks include virus removal, OS installation, and departmental system administration

PROJECTS

TableTop WorldBuilder— VR Map Making Tool

Fall 2019 - Present

- Coordinated a team of 5 to develop a fully functioning C# based VR game world building tool.

CS Sail— Video Games and Computer Architecture

Apr 2019

- Taught a seminar at the UIUC CS-Sail high school event about the real life applications of logic circuits found within various video games.

SKILLS AND AWARDS

Languages: C, C++, C#, Java, Python, R, MIPS, x86, ReactJS, SQLAlchemy, HTML, Bash, Verilog

Platforms: Windows, MacOS, Linux, iOS, Unity3D, MS Office, RStudio, Ghidra

Awards:

- 1st in SIGPwny annual CTF (Cybersecurity challenge tournament, 2018)
- Attended Cyphercon 4, where I discovered and disclosed a vulnerability within Cyphercon's CTF.