

Thomas Quig

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EDUCATION

University of Illinois

Urbana-Champaign, IL

Masters of Science in Computer Science (3.66/4.0)

Dec 2022

Bachelors of Science in Computer Science (3.68/4.0)

Dec 2021

Dean's List: Fall 2021, Spring 2022, Fall 2022

EXPERIENCE

Apple - International Technology Developer

Cupertino, CA

Privacy Engineer - User Privacy

Jan 2023 – Present

- Ensure user privacy on two billion devices throughout the Apple ecosystem through comprehensive review
- Establish and maintain relationships with engineering and legal teams to ensure privacy compliance
- Directly manage incoming user privacy inquiries pertaining to Health Research Privacy, SensorKit, and HID

Unnamed Contractor - Cybersecurity Research Laboratory

Livermore, CA

Graduate Summer Intern - TITANS Summer Program

Jun 2022 – Dec 2022

- Designed and implemented a Deep Machine Learning model to detect maliciousness in internet packets
- Analyzed the ISOT open-source security dataset, developed a parameterizable packet preprocessing tool
- Second project (network security simulation) currently under R&A (review and approval for info release)

Plante Moran - International Business Consultancy

Urbana-Champaign, IL

Consultant Intern - Network Security Assessment

Jun 2021 – Jan 2022

- Performed various network security assessment services including external and internal penetration testing, application security analysis, cloud platform security assessments, and webapp security testing
- Developed several internal and external software tools, including an open source AD enumeration tool, and a report automation tool that saves Network Security team members hours of report construction every week

ACTIVITIES

University of Illinois - Computer Science Department

Urbana-Champaign, IL

Graduate Teachers Assistant - CS210/211 (Ethics)

Jan 2022 – Present

- Taught 170 students fundamentals of ethics and professionalism in computing. Lead discussion sessions, answer lecture questions, hold hybrid office hours to individually assist students, update assignment content
- Redeveloped completely the Computer Security discussion section to better engage students

ACM SIGPwny - UIUC Computer Security Club

Urbana-Champaign, IL

President (2020-Present), Officer (2019-2020), Member (2018-2019)

Sep 2018 – Present

- Lead a team of 7 club admins, facilitate weekly meetings with challenges, manage club funds, internal ESXi server, club promotion. Grew average weekly attendees from 15 to 150 and total membership 800 members
- Organized and successfully executed four (2019-2022) 300+ attendees in-person recruitment events, as well as an online computer security tournament UIUCTF 2020-2022 with 1800+ attendees

SKILLS

Leadership: project management, team management, public speaking, mentoring, technical teaching

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

Platforms: Docker, Linux, Windows (AD security/support), macOS, iOS, Unity3D, Ghidra, ESXi, AWS

AWARDS

- **2nd / 17 teams:** Austin Cyber 9/12 Strategy Challenge, run by Atlantic Council Cyber Statecraft
 - Simulated government response to Cyber Attack scenario, policy crafting, presentations
 - **Semi-Finalist** in the Cyber 9/12 National Finals in Washington DC
- **1st / 50+ teams:** Cyphercon 5.3 - computer security conference tournament (2022)
- **2nd / 800+ teams:** CSAW 2021 (qual/final) with SIGPwny, qualified yearly since 2019