

ZACHARY BOWDEN

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EDUCATION

William & Mary, Williamsburg, VA

May 2027

Bachelor of Science, Major: Computer Science, Concentration: Cybersecurity, Minor: Art

Major GPA: 3.86, Overall GPA: 3.39

Study Abroad, Galway, Ireland

Summer 2025

Completed a summer course at the University of Galway examining Irish archaeology and cybersecurity as it relates to computer networks and international critical infrastructure.

SKILLS

GNU/Linux, Unix, Cybersecurity, Python, C, Rust, Java, Javascript, HTML, Bash, Docker, QEMU, Proxmox, VirtualBox, Cryptography, Generative AI

RELEVANT EXPERIENCE

IQ Innovation Lab (Washington and Lee University)

June 2022 – August 2024 Summers

- Assisted with faculty and student projects with CAD software, 3D printing, laser and water cutting
- Helped manage lab computing and manufacturing infrastructure
- Contributed to the Florence As It Was project to digitize Medieval Florence through the use of photogrammetry and LIDAR scans.

CERTIFICATIONS

Certified in Cybersecurity (CC) – International Information System Security Certification Consortium

AWARDS

Third place in national team game – National Cyber League – April 2025

46th place in national individual game – National Cyber League – April 2025

Cisco Systems Award – Computer Science Awards Committee – March 2025

First place – CyberForge CVCSA – March 2025

Third place – TribeCTF Cybersecurity Challenge – October 2024

PERSONAL PROJECTS

Fire Alarm Control Panel - <https://git.lexza.ch/Lexzach/antigneous>

2018-Present

Open source software with hardware plans to construct a fire alarm control panel for usage by hobbyists and areas that cannot afford other means of fire protection.

Tools and Skills Used: Arduino C++, Soldering, PCB Design

Gaming Bot for Team Fortress 2 - <https://unbox.tf>

2021-Present

A free to use service, available on Discord, that simulates the gambling done through micro-transactions in the Team Fortress 2 video game. Its purpose is to prevent real gambling with real money.

Tools and Skills Used: Python, FastAPI, PostgreSQL, Discord API, Steam API, Javascript, HTML

INTERESTS

Mastering Unix-like operating systems – GNU/Linux, FreeBSD, OpenBSD

Licensed amateur radio operator – Extra class, volunteer examiner, member of the Williamsburg Area Amateur Radio Club