

D NIU

Big-Picture Technologist & Security Nerd

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📍 Durham, NC

🌐 dyancow.github.io

in dian-niu

EXPERIENCE

Software Engineering Intern

Microsoft - Cloud AI Security

📅 May 2020 – July 2020

📍 Redmond, WA

- Participated in design, documentation, and fullstack development of a new internal tool to help developers monitor the health of Azure services. Used ASP.Net MVC, C#, Javascript, SQL, and internal APIs.
- Received mentorship in Azure's deployment process, design architecture, and security infrastructure.

Security Consulting Engineering Intern

Cisco

📅 May 2019 – August 2019

📍 Chicago, IL

- Conducted web application and network penetration tests, digital forensics, OSINT research, hardware and RFID reverse engineering
- Delivered simulated customer readouts and reports using OWASP and CWE frameworks
- Shadowed red-team engagements

Security Intern

Duke Office of Information Technology

📅 Jan 2019 – April 2019

📍 Durham, NC

- Participated in the University division's security incident response operations and IOC logs analysis
- Programmed custom event handlers on open-source software theHive for incident response
- Received mentorship in Kali Linux and Metasploit

Undergraduate Research Fellow

Duke University - Randles Lab

📅 August 2017 – April 2019

📍 Durham, NC

- Trained models to predict simulated blood flow for new cardiovascular structures
- Programmed python scripts for facial recognition in-parallel
- Secondary author of "Predicting Downstream Wall Shear Stress Profiles in Aortas"

EDUCATION

B.S. in Computer Science

Duke University

📅 Aug 2017 – May 2021

Activities: Cyber Team Technical Track Leadership, FEMMESConnect Mentor, Women in Tech, DTech Scholars

Relevant Courses: Operating Systems, Computer Architecture, Databases, Computer Security, Data Structures and Algorithms, Technology Commercialization

Rising undergraduate senior with prior security engineering and software development experience. Interested in building secure products and securing built products. Seeking 2021 full-time opportunities.

SKILLS

Python

C#

Penetration Testing

JavaScript

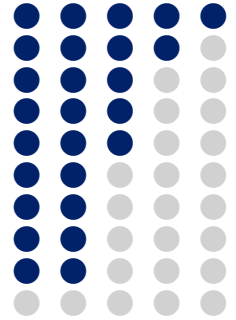
Web Development

C

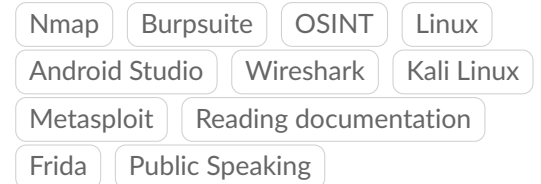
Bash Scripting

Reverse Engineering

SQL



TOOLS



AWARDS

- Greylock Tech Fair Participant (2020)
- Rewriting the Code Fellow (2020, 2019, 2018)
- Duke DTech Scholar (2019)
- Hacklodge Seattle Participant (2019)
- Women in Cybersecurity Conference Scholarship (2019)
- Supercomputing Conference Undergraduate Scholarship (2018)
- CRA-W Grace Hopper Scholarship (2018)

SECURITY EXPERIENCE

- thespywhopwnedme (Red Balloon CTF)
- IoT Village DefCon
- Cyber Fast Track CTF
- Port Swigger Web Academy
- OverTheWire - Bandit, Natas
- HackTheBox
- Uncrackable OS (reverse engineering)
- Hardware reverse engineering (SDR, RFID, general tear-downs and data dumps)