# **DNIU**

### **Big-Picture Technologist & Security Nerd**

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Durham, NC

dyancow.github.io

in dian-niu

### **EXPERIENCE**

### Software Engineering Intern

#### Microsoft - Cloud Al 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**

- **i** 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 the Hive 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**

**a** Aug 2017 - May 2021

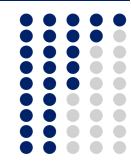
**Activities:** Cyber Team Technical Track Leadership, FEMMESConnect Mentor, Women in Tech, DTech Scholars

**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**

Nmap Burpsuite OSINT Linux
Android Studio Wireshark Kali Linux
Metasploit Reading documentation
Frida Public Speaking

# **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)