

## **EDUCATION**

**Washington and Lee University**, Lexington, VA      **GPA: 3.354**      *Graduated May 2019*

**Bachelor of Science in Computer Science, Minor in Russian Language & Culture**

**Relevant Coursework:** Algorithm Design & Analysis, Android Application Development, Computer Organization, Database Management, Neural Networks & Graph Models, Operating Systems, Programming Language Design, Software Development, Theory of Computation, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Advanced Russian

## **SKILLS**

**Coding:** Python, C, Assembly, JavaScript, HTML, Haskell, Bash, PostgreSQL

**Other:** Russian; Git, Windows, Linux

## **EXPERIENCE**

**US Cyber Command (USCC)**, Washington, DC

**Offensive Cyber Engineer, Exploit Development Team Lead**

*November 2020-Present*

- Member of USCC's Rapid Effects Capability Development Activity
- Coding in Python and Bash/Shell scripting for initial access exploitation
- Utilize C language (including Windows API) and reading/writing x86 Assembly code for vulnerability research and reverse engineering purposes

**Naval Information Warfare Center (NIWC) Atlantic**, Washington, DC

**Computer Scientist**

*August 2019-November 2020*

- Supported Navy Authorizing Official (NAO); worked with both NAO3 (Authorization & Assessment) and Risk Management Framework teams using JavaScript, Python, Visual Basic
- Supported Naval Innovative Science & Engineering (NISE) Generative Adversarial Image Super Resolution Project using PyTorch Python library

**Bluestone Analytics**, Charlottesville, VA

*May 2018-July 2019*

**Cybersecurity and Python Development Intern**

- Created advanced data collection programs in Python using Scrapy scraping framework
  - Used for data aggregation from the "TOR" network to track and find individuals operating in anonymity, as well as monitor for possible threats
- Built Suricata network sensors for intrusion detection & prevention

## **CERTIFICATIONS**

- ManTech Certified Windows Computer Network Operations (CNO) Developer
  - 10-week intensive course on advanced techniques for offensive cyber operations
- Currently working on Offensive Security's Exploit Developer (OSD) and Certified Professional (OSCP) certifications

## **HONORS & AWARDS**

Eagle Scout,      Old Dominion Athletic Conference (ODAC) All-Conference Football Team,  
ODAC All-Academic Team,      2x US Navy Performance Award

## **COLLEGIATE EXTRACURRICULAR ACTIVITIES**

**Washington and Lee Football Team** *Captain, Running Back*

- Lettered all four years; elected captain senior year, helping to lead our team to our class's second conference championship and making us the most-winning class in school history
- Afforded me the opportunity to be a part of athletic clubs (Fellowship of Christian Athletes, Boxing Club treasurer, 24 Sports Club) and be appointed to our Generals' Leadership Academy

**Maury River Middle School** *Student Mentor*

**Washington and Lee Radio (WLUR)** *DJ*