# Nicholas R. Cerne

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https://www.ncerne.com

## Education

**Virginia Tech, Pamplin College of Business**                                          **Blacksburg, VA**

*B.S. in Business Information Technology, Cybersecurity Management and Analytics*          *Graduating Spring 2022*

Dean's List: Spring 2019 – Present                                                      **In-Major GPA: 3.84**

## Certifications

- Offensive Security Certified Professional (OSCP)                                     *Apr 2022*
- eLearn Junior Penetration Tester (eJPT)                                              *Aug 2021*
- CompTIA Security+                                                        *July 2021 – July 2024*

## Work Experience

**Goldman Sachs**                                                                       **Dallas, TX**

*Technology Risk and Cybersecurity Summer Analyst*                              *Jun 2021 – Aug 2021*

- Manually identified mitigating controls for potential privilege escalation vulnerabilities on Unix systems
- Assisted in scoping of red team efforts to identify potential attack vectors in the cloud
- Analyzed firm-wide technology risk, such as cybersecurity, business resiliency, governance, and third-party technology risk management

**Virginia Tech**                                                                      **Blacksburg, VA**

*Undergraduate TA, Information Security*                                        *Aug 2021 – May 2022*

- Assisting students in implementing firewall rules and intrusion detection systems in Linux environments
- Assisting students in developing cyber risk consultation reports on local companies as semester projects
- Assisting professor in development of CTFs for class exercises

**NCI Information Systems**                                                             **Reston, VA**

*Security Consultant Intern*                                                    *May 2020 – Aug 2020*

- Leveraged Nessus to identify vulnerabilities and prioritize mitigation efforts
- Managed data loss prevention system overseeing thousands of corporate workstations
- Performed identity and access management reviews to confirm current user privileges
- Created tabletop exercises for NCI SIRT team to validate security incident response plan

## Student Involvement & Community Service

**CyberVT**, *President*                                                        *May 2021 – Present*

- Leading student-run cybersecurity organization at Virginia Tech
- Educating peers on remote machine exploitation, embedded device hacking, and other topics
- Hosting the annual CyberVT CTF competition known as Summit

**G.E.R.M.A.N. Club**, *Member*                                                *Feb 2020 – Present*

**Entrepreneurship Club**, *Member*                                            *Sep 2019 – Present*

**O.L.V.T. (Orbital Launch Vehicle Team)**, *Lead Web Developer*               *Jan 2020 – Jan 2021*

## Technical Knowledge

- Python, Bash/Shell, PowerShell, HTML, CSS, JavaScript, SQL, Visual Basic, Kali Linux, Nessus, Burpsuite, Wireshark, Metasploit, Nmap, Active Directory, Kubernetes, Raspberry Pi