RYAN BUI

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EDUCATION

Virginia Tech, Pamplin College of Business, Blacksburg, VA **Expected Graduation: May 2022**
B.S., Business Information Technology – Cybersecurity Concentration **In-Major GPA: 3.85**
Minor in *Computer Science*
Dean's List: Fall 2020

EXPERIENCE

Hume Center for National Security and Technology | Virginia Tech **October 2020 - Present**
Crowd Intelligence Undergraduate Researcher
- Researching misinformation, software development, and data analysis to build a crowd intelligence platform.
- Implementing Python3, Django, AWS Rekognition and PostgreSQL to analyze and authenticate image data to combat misinformation.
- Organizing a Capture the Flag event in partnership with Computer Science Capstone classes.

Ashburn Consulting | Ashburn VA **December 2019 – January 2020**
Intern
- Worked with a large government agency to install equipment as part of an enterprise architecture and services.
- Configured a Cisco 4321 and factory reset a Cisco 2850 switch enabling remote access for network engineers.
- Installed and documented cabling (multimode fiber and CAT 6 copper) according to designed specifications.

SKILLS, COURSEWORK, AND CERTIFICATIONS

Technical Skills: Java, Python3, .NET, C, Advanced VBA, Advanced Excel, HTML, CSS
Operating Systems: Windows, Linux (CentOS 8)
Relevant Coursework: Information Security, Introduction to Computer Organization, Software Design and Data Structures, Advanced Business Computing and Applications, Networks, Telecom, and Security
Certifications: Currently working towards CompTIA Security+

SELECTED PROJECTS

Risk Register **September 2020 – December 2020**
- Created a Risk Register for a local small business identifying 161 potential risks, sorted by risk priority.
- Recommended technical, managerial, and operational controls and crafted a security policy.

File Cleaner **June 2020**
- Used Python3 to declutter my Downloads folder.
- Optimized accessibility by sorting approximately 500 files by file extension type, current year, and current month

Music Preference Visualization **October 2019 – December 2019**
- Distributed coding responsibilities and designed classes to systematically develop a medium-scale Java program that incorporates various aspects of software design and data structures.
- Visualized 267 survey responses by song, enabling users to sort by genre, artist, and year to find popular songs.
- Enhanced skill in communication by working with a group by having thorough commenting in code.

HONORS AND AWARDS

Honors: Intelligence Community Center for Academic Excellence (IC CAE) Associate **July 2020 – Present**
Awards: Eagle Scout Award **December 2017**

EXTRACURRICULARS

Virginia Tech Cyber Security Club, Member **January 2020 – Present**
- Attend tech talks led by experts and workshops to learn about cybersecurity methodologies and practices, such as Networking, Reverse Engineering, and Kali Linux.

Society of Asian Scientist and Engineers (SASE), Member **January 2019 – Present**
- Participate in career and professional development workshops hosted by sponsor companies.