Charles **Scruggs**

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Education

James Madison University   *Harrisonburg, VA*
B.S. in Individualized Studies - Business Technology & Computer Programming   *Aug 2015 – May 2021*

Thomas Nelson Community College   *Williamsburg, VA*
                                                                                                     Aug 2014 - May 2015

Work Experience

Williams Landscape & Design   *Williamsburg, VA*
Landscaping Crew Leader   *Dec 2021- Sep 2022*
- Managed labor and materials for landscaping projects in residential and commercial areas
- Interacting with clients to determine their specific needs for a project

BP America   *Washington, DC*
Knowledge Management Associate   *Aug 2019 - Feb 2020*
- Supported BP's corporate security strategies through enterprise-level application development for their Intelligence, Security, and Crisis Management teams
- Performed back-end data management on an cloud-based framework provided by Palantir to deploy and maintain a security data library
- Developed data models & forms to support specialized workflow activities within the Business Intelligence team
- Developed custom front-end data analysis tools for BP's enterprise-level dashboard used to assess risk at asset, regional, and global levels
- This tool gave security managers a tailored experience for capturing information and conducting their own visualizations.
- Worked closely with engineers to understand technical architecture and how features are implemented
- Handled bug fixes and feature requests for a growing user base
- Delivered weekly updates to users, along with conducting regular training & feedback sessions.

Cyber Intelligence Junior Analyst   *Washington, D.C.*
                                                                                                     Oct 2018 - Aug 2019
- Supported the Cyber Intelligence & Analysis Unit by integrating cyber threat data & building analytical tools
- Wrote a custom python script to integrate data into BP's live cyber threat feed, used by their SOC
- Developed a front-end data analysis tool to reduce this cyber threat data to more granular level of usable information
- Aggregated this data feed against the National Vulnerability Database (a publicly available repository of cyber incidents) by using a CVE number as foreign key
- This tool empowered strategical members of the cyber intel team, both technical & non technical, to explore & evaluate new data feeds before subscribing to them

College of William & Mary, Earl Gregg Swem Library   *Williamsburg, VA*
Information Technology Intern   *May 2016 - July 2016*
- Worked in a small team to support IT needs of William & Mary library members.
- Wrote Java program to normalize users' emails, addresses, and phone numbers and ID numbers, and convert from CSV to XML format
- Deployed a cyber security tool using Raspberry Pi to function as a remote honeypot. It redirected unauthorized web traffic to a new destination where it could be analyzed to give better insight on hacker techniques used to alter/steal data.

Skills

Programming Languages:
- Java
- Python
- HTML
- CSS
- JavaScript
- Pyspark

Database Technologies :
- SQL, Postgresql, MongoDB
- MongoDB, SQL Server

Other Technologies :
- JUnit
- Git
- Visual Studio, Eclipse
- Linux OS/Ubuntu
- Palantir Foundry tool suite
- Microsoft Power BI, Excel, Teams, PowerPoint
- Tableau

MORE SKILLS...
- Object-Oriented Programming in Java
- Creating UML diagrams for Java programs
- Tutoring students & colleagues in Java, web design, and database languages
- Creating JUnit test cases in Java
- Front end web development
- Practicing version control with Git
- Operating command line & Linux Systems
- Using databases supporting web applications

Most Relevant Coursework (next page)

Programming:

- Programming (Python)
- Several Java programming courses
- Algorithms and Data Structures (Java)
- Web Design

Business & Information Technology

- Databases & SQL
- Systems Planning & Analysis
- Network Security
- Visualization Methods for Intel Analysis

Math

- Calculus I
- Calculus II
- Statistics

Personal Projects (Java, Python, Web Design)

My Project portfolio can be found on my personal website:

HTTPS://CHARLIESCRUGGS.GITHUB.IO/PORTFOLIO3/

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