## **EMPLOYMENT**

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**Landscaping Crew Leader**

**Williams Landscape & Design**

**Williamsburg, VA 2021 - Present**

• Managing and contributing labor and materials for outdoor yard transformations in residential and commercial areas

• Interacting with clients to determine their needs for a project

**Knowledge Management Associate**

**BP America**

**Washington, D.C. 2019 - 2020**

• Supported BP’s corporate security strategies through data management and enterprise‐level front end application

development for their Intelligence, Security, and Crisis Management team

• Created data models to collect quantifiable data from enterprise application workflows

• Directly empowered decision making capabilities of board members and C-level executives

• Lead process with a team to identify requirements and develop data models for web applications to broaden security capabilities

• Working with engineers to understand technical architecture and how features are implemented

• Normalized and transformed data to be merged into data libraries to support existing web applications

• Regularly gathered feedback and delivered weekly updates to users

• Assisted with root cause analysis and resolution of production support issues

• Working on multiple projects simultaneously

**Cyber Intelligence Junior Analyst**

**BP America**

**Washington, D.C. 2018 - 2019**

• Supported the Cyber Intelligence & Analysis Unit through development of data analysis tools

• Wrote a python script to parse cyber threat data from XML to CSV, to be integrated into BP's live cyber threat feed

• Developed analytical tools and dashboards for senior intelligence members to evaluate raw data sources

*•* Aggregated cyber threat data against the National Vulnerability Database (a publicly available repository of cyber

incidents) by using a CVE number as foreign key

• This allowed the user to immediately access official information about a cyber incident found in their internal data feed

**Information Technology Intern**

**Earl Gregg Swem Library at the College of William & Mary**

**Williamsburg, VA 2016**

• Worked in a small team to support the library IT needs William & Mary Students and staff.

• Wrote Java program to normalize users’ emails, addresses, and phone numbers and ID numbers and convert from

CSV to XML format

• Deployed Archivematica software on local library server for users to manually transcript documents and photos for

archiving needs

• Deployed a remote accessed honeypot (cyber security tool) using Raspberry Pi to redirect unauthorized web traffic to

be analyzed later to improve security of the library’s networks

## **EDUCATION**

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**Harrisonburg, VA**

**James Madison University**

**Fall 2015 - Spring 2021**

*B.S in Individualized Studies - Business Technology and Programming, May 2021*

• Undergraduate Coursework in Computer Science:

Several object oriented programming courses in Java and Python, Algorithms and Data Structures

• Undergraduate Coursework in School of Business:

Web Design, Databases and SQL, object oriented programming (Java), Network Security, Systems Planning and

Analysis, Business Management & Organizational Behavior

• Additional Relevant Coursework:

Calculus I, Calculus II, Visual Methods and Technologies in Intelligence Analysis

## **SKILLS & EXPERIENCE**

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• Tutoring students and colleagues in Java programming, web design, and database languages

• Using JUnit Unit testing framework for Java

• Front end web development

• Practicing version control with Git

• Ability to translate user and business needs into functional frontend design

• Ability to communicate technical issues to a non-technical audience

• Ability to react well to changes, work with multiple teams and projects

• Excellent communication, research, writing, and technical skills

• Operating a command line and using a Linux System

• Data transformations and visualization techniques to derive information

## **PROGRAMMING LANGUAGES & TECHNOLOGIES**

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• Java, Python, SQL, HTML, CSS, Javascript

• Postgresql, MongoDB, Pyspark, JUnit, Git, Visual Studio, SQL Server, HTML5, Linux OS/Ubuntu, Palantir Foundry tool suite,

Microsoft Power BI, Excel, Teams, Powerpoint

## **TECHNICAL PROJECTS**

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• Wrote a Web scraping utility in python to parse tables from Wikipedia into CSV files

• Wrote a file zip/unzip file utility using the Huffman Encoding Tree, which accomplished lossless data compression

• Recreated retro arcade game “Asteroids” in Java GUI

• Writing SQL queries to retrieve and update data in a PostgreSQL relational database