David Corcoran

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EDUCATION

Georgetown University, Washington D.C.   Expected Graduation Date: Dec 2025

Master of Science in Data Science and Analytics

Virginia Polytechnic and State University (Virginia Tech), Blacksburg, Virginia   Graduation Date: May 2022

Bachelor of Science in Business Information Technology - *Computer Decision Support Systems Major*

Bachelor of Science in Finance - *Investment Management and Chartered Financial Analyst Major*

Economics Minor

BIT In-Major GPA: 3.98 | FIN In-Major GPA: 3.58 | Overall GPA: 3.77

WORK EXPERIENCE

Federal Technology Risk Management Associate | *KPMG*   July 2022 – July 2024

- Obtained a DOD issued secret level clearance expiring in 2032
- Assisted in the creation of a strategy document guiding a government agency through segregation of duties (SoD); identity, credentialing, and access management (ICAM); zero-trust; least privilege; emergency access management; and other access control topics
- Wrote and conducted tests of design (ToDs) and tests of effectiveness (ToEs) for IT controls within an SAP environment
- Visited client sites across the United States to walkthrough, document, and test warehouse IT controls and control gaps in support of a government agency's IT system audit readiness goals
- Submitted a corrective action plan downgrade package for a particular IT process, consisting of an end-to-end process document, control gap analysis, posting logic assessment, risk and control matrix, and responsibility-accountability matrix
- Supported the creation of a program governance charter, current-state SoD/ICAM assessment, and Microsoft PowerBI monitoring dashboard to support an enterprise-wide ICAM implementation effort
- Responsible for the maintenance and submission of monthly status reports and bi-weekly activity reports

Programming Counselor / *TIC Summer Camp*   June 2021 – August 2021

- Served as an educator, teaching Scratch 3 and Python programming in Processing 3 to children aged 7-18

PROJECTS

Workplace Optimization Program, Advanced Business Computing and Applications (BIT 3444)

- Built an optimization program in VB.NET, an object-oriented coding language, using Visual Studio 2019
- Optimized employee staffing assignments based on wage, job position, and weekly hour constraints, all displayed on an accessible graphical user interface

"HokieHub" Food Delivery Service Website, Web-Based Decision Support Systems (BIT 4444)

- Tasked with creating a database-driven "review management" module for a fictional food delivery service website and integrating it with other team member's sections of the project
- Created 9 webpages using HTML, CSS, PHP, MySQL, D3.js, Ajax, JavaScript, and Bootstrap, all focused on user review creation, modification, and analysis

Singapore Management University Course Management System, BIT Seminar in IT (BIT 4454)

- Worked with a team of 8 to create a website for students and professors to manage their enrollment in courses
- Worked in a semester-long agile environment that included 3 sprints separated into design and implementation phases
- Created user stories, requirements definition documents, test cases, and testing plans for each webpage
- Used Selenium IDE during each sprint's implementation phase to test webpages against their requirements

SKILLS

Programming: Python, R, Microsoft Visual Basic for Applications (VBA), VB.NET, SQL, HTML, CSS, PHP, Selenium, Bootstrap

Finance: Financial Modeling in Excel, TVM, Bond Valuation, Analysis of Financial Statements, Option Pricing & Strategy, CAPM, FX Markets

Data Visualization: Microsoft Power BI, Simio, Visual Paradigm, Tableau

Miscellaneous: Basic German Language Understanding, Microsoft Access, Deltek Costpoint, Quarto, Jupyter Notebooks, Github

HONORS

KPMG Culture Catalyst and Mentor   April 2024

KPMG Health Equity Hackathon – 3rd Place   March 2023

Virginia Tech Dean's List (7 Semesters)   Fall 2018 – Spring 2022