MICHAEL FACCIOLO

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EDUCATION

Temple University, Fox School of Business   **Aug 2018 – May 2022**

Bachelor of Business Administration in Management Information Systems, GPA: 3.54   *Philadelphia, PA*

Coursework: Web Service Programming, Managing Enterprise Cybersecurity, Cloud Architecture, Data and Analytics, Web Application Development, User Experience Design, Data Science, Digital Systems

SKILLS

Analysis & Visualization Tools: Power BI, Tableau, Microsoft Office, Visio, Google Analytics, Splunk

Database Management Systems: MySQL, NoSQL, MongoDB, PHP, AWS, Azure

Programming Languages: SQL, Python, JavaScript, R, Node.js

EXPERIENCE

Comcast Global Audit (CGA) – Technology   **July 2024 – Present**

Senior Technology Auditor   *Philadelphia, PA*

- Conducted in-depth risk assessments and data analysis of technology and security operations for Universal Studios Hollywood (USH), Comcast Business HQ and NBCUniversal Peacock
- Evaluated security policies, methods, and technology controls, ensuring compliance with information security frameworks and regulations, while identifying gaps in risk management and recommending actionable remediation strategies.
- Led audit efforts applying technical knowledge to assess IT controls and processes, ensuring that critical risks were addressed and providing comprehensive audit work papers documenting findings, root causes, and recommendations for corrective actions.

NBCUniversal – Cyber Defense Operations (CDO)   **July 2022 – July 2024**

SOC Analyst   *Remote*

- Engineered a Palo Alto XSOAR integration using Python and APIs to automate investigation workflows, significantly enhancing analyst efficiency and increasing case closure rates.
- Performed over 75 weekly security risk assessments of incidents, utilizing advanced security tools to conduct thorough evaluations and document in-depth analysis.
- Developed a detailed report on AWS incident detections, enabling automated closure of non-critical incidents, reducing the weekly workload time by 20% and significantly increasing analyst productivity.

Comcast Global Audit (CGA) – Technology   **July 2023 – Feb 2024**

Technology Auditor   *Philadelphia, PA*

- Conducted comprehensive inquiries and data analysis to assess technology and security operations, contributing to the development of project scopes for NBC News (excluding Bureaus) and MSNBC, NBCUniversal Operations & Technology (O&T): Media Operations, and Comcast Enterprise Business Intelligence (EBI).
- Evaluated documents, processes, and policies to ensure alignment with established procedures, best practices, information security frameworks, control objectives for IT controls, and legal/governmental requirements.
- Prepared detailed and well-organized audit work papers, documenting root causes, investigative findings, and actionable recommendations to improve operational compliance and security practices.

Comcast TPX – Product Security and Privacy (PS&P)   **May 2022 – July 2023**

Security Engineer   *Philadelphia, PA*

- Automated outreach for the penetration testing team using Python, ServiceNow APIs, and Linux Cron utility, streamlining workflows and resulting in a 21% increase in assessments completed per quarter.
- Led the continuous penetration testing team as Technical Project Manager, coordinating security assessments, automation processes, and scanning tools to identify and mitigate network vulnerabilities.
- Collaborated with the Comcast India Engineering Center (CIEC) to design and develop automation tools, ensuring seamless integration and efficient penetration testing workflows.

Ernst & Young (EY) – Technology Risk   **June 2021 – Aug 2021**

Business Consulting Intern   *Remote*

- Assessed client compliance (Comcast Cyber Security and Ametek) with professional audit standards, evaluating the effectiveness of information systems, resources, and controls.

- Conducted technology controls testing, monitored project timelines and risks, and ensured the timely delivery of high-quality client deliverables.
- Created an in-depth user guide for Data Bee, a cybersecurity analytics tool that monitors and reports critical performance metrics across the company's cybersecurity infrastructure, including device status, threat detection, and vulnerability management.

AstraZeneca – Commercial IT   **May 2020 – Aug 2020**
Business Analyst Intern   *Remote*
- Developed and delivered business cases and process designs, ensuring alignment with AstraZeneca's quality, compliance, and regulatory standards, while driving the successful implementation of proposed solutions.
- Enhanced data governance capabilities for the US Commercial Data Catalog through close collaboration with offshore teams, driving significant improvements in key tool functionality.
- Led a proof of concept for implementing social listening technology, enabling IT leadership to proactively identify and address potential roadblocks, optimizing internal operations.

WSFS Bank   **Summer, Winter 2019**
Retail Banking Intern   *Glen Mills, Kennett Square*
- Provided comprehensive banking services to 100+ customers daily, managing cash, credit, and checking transactions with a focus on accuracy and customer satisfaction.
- Conducted vault audits and daily balancing of cash and transaction records, exceeding $50,000, under supervision.
- Managed customer inquiries via phone and drive-through, addressing concerns, offering product information, and providing financial solutions in a timely manner.

PROJECTS

Compound Interest Calculator   **Mar 2025 – Present**
- Developed a user-friendly Compound Interest Calculator in Python, implementing robust input validation, error handling, and logging for improved usability and reliability.
- Designed and optimized financial computation logic, incorporating periodic contributions and monthly compounding while ensuring accuracy through structured exception handling and validation.

Countdown Timer Tool   **Mar 2025 – Present**
- Created an interactive countdown timer in Python with a real-time progress bar, formatted time display, and cross-platform beep notifications for an enhanced user experience.
- Implemented robust error handling and user interaction features, including input validation, keyboard interruption handling, and a restart option for seamless usability.

News Keyword Fetcher   **Feb 2024 – Present**
- Integrated a Python-based News Articles Fetcher integrating the News API to retrieve and display real-time news articles with pagination, keyword search, and structured formatting.
- Optimized API performance by implementing secure API key management, request timeouts, and enhanced output formatting for improved readability and seamless navigation.

Strong Password Generator   **Feb 2024 – Present**
- Engineered a Secure Password Generator using cryptographically secure randomization, allowing customizable character sets and adjustable password length for enhanced security.
- Implemented password strength assessment and user-friendly customization options, ensuring flexibility while maintaining security best practices.

HONORS & ELECTIONS

Temple University, Fox School of Business   **Spring 2020, Fall 2021, Spring 2022**
Dean's List Recipient

Association for Information Systems   **May 2021 – May 2021**
Chair of Scholarship

Pi Kappa Phi Fraternity, Kappa Upsilon Chapter   **May 2021 – May 2021**
Standards Board Chairman