MICHAEL QUINN

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EXPERIENCE

CGI Federal   **Sep. 2020 – Present**
Data Engineer   *Arlington, VA*
- Engineer and maintain a comprehensive, decoupled data pipeline solution in AWS that serves as a cybersecurity assessment tool used by 70+ federal agencies under the DHS CDM program.
- Construct serverless ETL processes using Python, Spark, S3, AWS Glue, Parquet formatting, and SaaS APIs to handle billions of rows of sensitive data pertaining to 100,000+ government devices.
- Develop Python scripts that extract and process data to create 30+ unique types of cybersecurity records.
- Automate data workflows using AWS Step Functions and Lambda, Docker, Systems Manager, Elasticsearch, CloudWatch, EC2, S3, and other cloud services to handle and process 300 GB+ of data per day.
- Use Terraform to deploy and configure hundreds of cloud resources across 20+ AWS accounts.
- Write and execute SQL commands in AWS Athena to perform data analysis and data quality checks.
- Collaborate with other engineers to manage 25+ CI/CD pipelines and repositories, optimize pipeline performance, devise solutions for new objectives, investigate bugs, and ensure adherence to client requirements.
- Work with stakeholders in an Agile format to define product requirements, develop business objectives, lead cadence meetings, submit feature requests, create user stories, and maintain documentation.

CGI Federal   **Jun. 2019 – Aug. 2019**
Business Analyst Intern   *Fairfax, VA*
- Used Microsoft Power BI to map and visualize data in a hierarchical structure.
- Facilitated Agile team meetings and helped define user stories and objectives.
- Developed a high-level supply chain management solution as a capstone project with a team of interns to be presented to and judged by a panel of senior leaders.

Pennsylvania Multifamily Asset Managers   **Jun. 2018 – Aug. 2018**
Full-Stack Developer Intern   *Bethesda, MD*
- Created and designed a web application using JavaScript, HTML, and CSS in an MVC framework for a government housing consulting company.
- Used C# and MSSQL to manage and store data from thousands of various government forms and documents.

EDUCATION

University of Virginia   **May 2020**
B.S., Systems Engineering   *Charlottesville, VA*
- Graduated with distinction from the School of Engineering and Applied Science.
- Wrote a thesis ("Big Data and its Implications for Privacy") discussing various media platforms and their use of data, such as Spotify and its data analysis technologies for catering to its user base.
- Re-founding father of the Sigma Nu fraternity (Beta chapter).

CERTIFICATIONS, SKILLS, & INTERESTS

- **Certifications:**
  - AWS Certified Solutions Architect - Associate
  - AWS Certified Cloud Practitioner
  - Certificate in Business Fundamentals (UVA McIntire Business Institute)
- **Skills**: Python, Spark, SQL, Terraform, Excel, Docker, Agile, React.js, HTML, JavaScript, Git, Linux, Elastic.
- **Interests**: Blogger, avid concertgoer, mountain bike enthusiast, rec league basketballer, NFL follower.