

# Curtis Fowler

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## Education

Virginia Commonwealth University, Richmond, VA

Expected May, 2022

Bachelor of Computer Science

## Relevant Experience

Tech Intern Program, Capital One, Richmond, VA, Jun/6 - Aug/9

- Created user-friendly **React** web interface & **Flask** API to automatically explore and onboard large datasets to Capital One's data lake
- Generated statistics for datasets, which **created value** for company by helping onboarding and providing insights to large unknown datasets stuck in S3
- Profitably utilized AWS products (**Route53, EC2, ELB, Lambda**) to deploy and harden end products to production

Application Developer Generalist, CapTech Consulting@ Capital One, Richmond, VA, Jun/19 - Aug/19 Managers:

Kevin Armstrong/Capital One Director Software Engineering, Peter Carr/CapTech Principal

- Created user-friendly graph generator program using **Python, SQL, and PySpark** that produced data lineage which reduced time to analyze large data sets from a week to one day
- Processed graphs were used to support **DDE to ECE migration** as part of the **Data Center Exit Program** which migrated on-prem systems to AWS
- Successfully worked in Capital One's **Agile** environment and managed priorities using **Jira**

## Independent Projects

Loggerbot - Utility bot built for the Discord communication platform made using **NodeJS**

- Processes 22+ million messages daily & serves 50+ million users on the Discord platform (198,000 servers)
- Utilizes **PostgreSQL** for persistent storage and **Redis** for short-term caching
- Automatic sharding & load balancing for scaling

## Student Organizations

- Member: RamDev, ACM, Cyber Security at VCU, VCU Computer Science Student Advisory Board

## Accomplishments

- FBLA Computer Problem Solving: **#1** in Virginia, **#5** in the USA
- RamHacks 2019: Best use of Google Cloud Platform
- PatriotHacks 2019: #1 in Battelle capture the flag
- CompTIA A+ Certified

## Skills

- Linux
- JavaScript (NodeJS)
- Java
- SQL & NoSQL
- Jira & Trello
- Python
- React