Logan Miller

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ASPIRING SOFTWARE ENGINEER

I'm a Computer Science student with a strong foundation in programming and research. I've volunteered with Phi Theta Kappa at events like STEMFEST and helped new students with technology as a student ambassador. I'm currently tutoring through Calculus 2 at Reynolds' Math Center and have built a full-stack web app for an employer.

KEY EXPERTISE & CORE ACCOMPLISHMENTS

Research Methodologies	*Team Collaboration*	*Software Development*
Algorithm Development	*Inventory Management*	*Technical Communication*
Data Analysis	*Customer Service*	*Cloud Computing*

- Developed an algorithm for genomic data analysis at VCU.

- Created an enterprise inventory system using ReactJS and Node.js.

- Achieved Dean's List recognition for academic excellence.

PROFESSIONAL EXPERIENCE

Research Assistant
Virginia Commonwealth University - Richmond, VA   *(2022 - 2023)*

Engaged in cutting-edge phase research, contributing to the understanding of gene functions.

- Conducted phase research focusing on gene function annotation.
- Developed an algorithm to analyze and compare genomic data.
- Applied Java, Statistics, and File Reading to process research data.
- Collaborated with a research team to present findings at the VCU Poster Symposium.
- Emphasized teamwork and communication through in-person and online meetings.

Food Service Associate
Boardwalk Fries (King's Dominion) - Doswell, VA   (2021 - Present)

Provided exceptional customer service while managing food service operations in a high-volume environment.

- Managed inventory tracking, cash reports, and stock management for franchise locations.
- Partnered with the franchise owner to develop an enterprise inventory system using ReactJS, Node.js, and SQL.
- Built strong teamwork and customer service skills in a fast-paced service environment.

EDUCATION

A.S. in Computer Science
J. Sargeant Reynolds Community College, Glen Allen, VA, Expected May 2025
Recognized for academic excellence as a Dean's List student.

B.S. in Computer Science
Virginia Polytechnic Institute and State University, Blacksburg, VA, Expected May 2027

PROJECTS

Inventory Management System   REACT, NODEJS, EXPRESSJS, SQL

- Stores and modifies inventory data across locations in an easy to use ReactJS app.

Osu! Top Ranker Tracker   PYTHON, SQL

- Tracks the top 50 Osu! Players and retrieves play data to find the current game meta.

Bacteriophage Genome Similarity Calculator   JAVA

- Analyzes nucleotides grouped in "phams" to determine similarity between bacteriophage genomes

SKILLS & ADDITIONAL INFORMATION

Technical Skills

- Java
- Python
- C++
- JavaScript
- SQL
- Git
- GitHub
- VS Code
- IntelliJ
- Eclipse
- ReactJS
- NodeJS
- MongoDB
- Docker
- Kubernetes
- AWS
- Tensorflow
- Kafka

Affiliations

- Phi Theta Kappa
- Robotics Club
- Cyber Security Club