

# Logan Miller

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## EDUCATION

**J. Sargeant Reynolds Community College**

**Expected May 2025**

A.S, Computer Science, *Glen Allen, VA*

- *-Dean's List*

## WORK EXPERIENCE

**Virginia Commonwealth University**

**September 2022 – January 2023**

*Research Assistant*

**Richmond, VA**

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

**Boardwalk Fries (King's Dominion)**

**June 2021 - Current**

*Food Service Associate*

**Doswell, VA**

- 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.

## Projects – More at [www.millercode.net](http://www.millercode.net)

- **Inventory Management System** – ReactJS and NodeJS, SQL, deployed with AWS
  - 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.

## Technical Proficiencies

- **Programming Languages:** Java, Python, C++, JavaScript (HTML/CSS), SQL
- **Frameworks & Technologies:** ReactJS, NodeJS, MongoDB, SQL, PyTorch
- **Data Tools:** NumPy, Pandas, Matplotlib, Selenium
- **Version Control & Tools:** Git, GitHub, Visual Studio Code, JetBrains Suite, Command Line, VIM
- **Cloud Services:** AWS

## Activities and Organizations

**J. Sargeant Reynolds Community College**

- *Student Ambassador*
- *Phi Theta Kappa*
- *Robotics Club (Member)*
- *Cyber Security Club (Member)*