

School Address:
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7503 Tangerine Place
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EDUCATION

Virginia Polytechnic Institute
Bachelor of Science in Computer Science
GPA: 3.78

Blacksburg, VA
Expected Graduation: May 2026

South County High School
Advanced High School Diploma
Weighted GPA: 4.30

Lorton, VA
Graduation: June 2022

EXPERIENCE

CrossRoads Info Tech
Junior Web Developer

Lorton, VA
February 2021 - Present

- Collaborated with a teammate to develop and design company website using a cloud-based web development service
- Hosted and continually maintained company website, for the entirety of employment, using a server under Linux Server OS
- Maintained a stream of communication with superiors in order to foster a healthy and efficient work environment

BridgeLink (Startup)
Co-Founder

Lorton, VA
December 2022 – May 2023

- Worked with a team to build frontend and backend on the startup website using CSS, JavaScript, and HTML
- Individually constructed the server-side code using python to store user inputted data on a local server
- Routinely scheduled and managed team meetings to maintain a constant stream of communication and to meet timeline goals
- Collaborated with a team to conduct market research, leveraging findings to reach short-term startup objectives

PROJECTS

Pricing European Options Program

- Developed a program to price European options contracts in the stock market using the Black-Scholes model
- Built in Java

Speaker of the House Tracker

- Developed a program to request raw data from House Stock Watcher, a website that tracks House of Representatives members, and inputs similar trades in a TD Ameritrade paper trading account
- Built in Java using TD Ameritrade API's

S&P 500 Regression Model

- Developed an S&P 500 mean reversion model to rate the index's value over selected periods of time
- Built in Java using historical Bloomberg Terminal Data on the S&P 500 and VIX

Weather Display

- Developed a program to display area requested weather details that can be viewed on a local server
- Built using JavaScript, CSS, and HTML using OpenWeather's API

SKILLS

Programming Languages: Java, C, Python, CSS, JavaScript, HTML, Matlab

Proficient in: Object-Oriented Programming, Git, Data Structures, Apache Maven, AGILE