

Samuel Colvin

Gastonia, North Carolina | (817) 726-5363 | samuelcolvin26@gmail.com

EDUCATION

University of Virginia

Echols Scholar; Bachelor of Arts in Computer Science

Cumulative GPA: 3.861; Computer Science GPA: 4.00

August 2021 - May 2025

Charlottesville, VA

Carroll Senior High School

Cumulative GPA: 105.8; Class Rank: 5 out of 684

August 2017 - May 2021

Southlake, TX

Relevant Coursework:

Data Structures and Algorithms, Computer Architecture and Operating Systems, Discrete Math, Software Dev

Essentials, Software Testing, Designing an Audio Effect Plugin, Designing a Musical Instrument

WORK EXPERIENCE

Undergraduate Research Assistant

University of Virginia

September 2023- Present

Charlottesville, VA

- Conducting research in microarchitecture in collaboration with AMD
- Assisting in optimizing macro and micro operation fusion using Gem5

Crew Member

Trader Joe's

May 2023 - August 2023

Charlotte, NC

- Assisted with stocking shelves and maintaining a clean and organized store
- Greeted and assisted customers with a friendly attitude and ensured a positive shopping experience
- Processed customer purchases and handled transactions

Undergraduate Teaching Assistant - CS2130

University of Virginia

August 2022 - December 2022

Charlottesville, VA

- Assisted students as part of Computer Systems and Organization I
- Held office hours, assisting students in learning C and x86

Team Member

Steel City Pops

August 2019 - December 2019

Southlake, TX

- Handled customer transactions and maintained a clean storefront
- Assisted in stocking and decorating popsicles

ACTIVITIES

VEX Robotics

Team Member

August 2018 - May 2021

Southlake, TX

- Wrote autonomous programs for robots to perform at the beginning of every match
- Qualified for the Worlds competition in 2020 and 2021
- Received the Think Award for "Impressive and Effective Autonomous Code" at the state-level competition

SKILLS

Programming Skills: C, C++, Python, Java, Javascript, x86, SQL, Bash

Frameworks: JUnit, Selenium, JUCE, Hibernate ORM, Processing, Gem5

Tools: Git, Windows, Linux, Visual Studio Code, Eclipse, PyCharm, IntelliJ, CLion, Command-Line Interfaces, Microsoft Office suite, Photoshop, Indesign