

Objective

To obtain the skills and experience necessary to leave a mark on the world of Computer Science with an internship.

Education

Virginia Tech

Bachelors of Science expected Spring 2025

GPA: 3.67

BS in Computer Science

Minors: Quantum information science and engineering | Political Science

Skills

Languages: Java, C, C#, Golang, Rust, Typescript, SQL, Python, Matlab, R, HTML, asmx86, Haskell

Packages: Numpy, Pandas, Tensorflow, Sklearn, Seaborn, ggplot2, Keras.

Other: Android Studios, Excel, IBM Quantum Composer, Docker, Audacity, Solidworks, Git, Linux, Power Point.

Projects

Quantum Teleporter:

Fall 2023

- Created a quantum teleportation circuit using IBM Quantum Composer
- Collaborated as a 3 person group to create and present a presentation explaining the teleporter

Credit card Detector:

Spring 2023

- Collaborated as a 2 person group.
- Created an ML model to predict if a charge on a credit card was fraudulent using a Random Forest Tree Regression.
- Reached an industry Standard 97.6% accuracy rating
- Published Program on Github.

VAWT:

Spring 2022

- Collaborated with a group of six people to design and create a Vertical Axis wind turbine.
- Solidworks was used to create a prototype design
- Matlab utilized for testing power output of the design and output it to an excel spreadsheet.

Vaccine Modeling project:

Spring 2021

- Created a model of vaccination rates in 2021 per day with rolling means
- Used Statistics to create and add Boilinger bands to spot outliers and graphed them with Seaborn

Rollaball:

Spring 2021

- Created a basic platformer game
- Coded game mechanics like jumping, rolling, score and timer using C#
- Utilized Rigid body to create characters and physics engine.

Clubs

Galipatia Academic Committee:

Fall 2022 to Spring 2023

- Collaborate as a group to hold academic review sessions for up to 150 freshmen
- Manage weekly academic hours for drop in studying and homework help for freshmen.

Young democrats at Virginia Tech (Historian):

Fall 2022 to Now

- Help organize and implement get out the vote initiatives, including staffing an election booth.
- Record meeting minutes for weekly meetings.

Work Experience

Prince William County Schools

Summer 2023

Elementary School ESY TA:

- Helped 7 kids learn basic life skills, ranging from soft skills like sharing and communication, to technical skills like math, reading and writing.

Rochelle Myers Catering Service

Summer 2021

Catering:

- Spent 8 hours setting up, serving, and cleaning up a wedding. Tasks included, bussing tables, setting tables, and putting dishes away