# **COLTON MUMLEY**

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## **EDUCATION**

Aug 2017 May 2021

B.S. in Computational Modeling & Data Analytics — Virginia Tech — Blacksburg, VA

> Minors in Computer Science, Cyber Security, and Mathematics

Aug 2013 May 2017 High School Diploma — Susquehannock High School — Glen Rock, PA

GPA: 4.2



## September 2018 Present

Data Scientist — Rocketry at Virgina Tech — Blacksburg, VA

- > Analyzed data from flight simulations to optimize the rocket's performance using machine learning
- > Integrated Arduino with Python GUI to display real-time graphs of the rocket's sensors
- > Quickly learned React to help develop the team website

Python Arduino Machine Learning Javascript React

### Summer 2015

Website Developer — Shenk's Fine Jewelry — York, PA

- > Overhauled company website
- > Demonstrated ability to learn quickly when using WordPress with no prior knowledge

HTML CSS WordPress

# Summer 2015 Summer 2016

Mobile App Developer — Apple Developer Program

- > Built iOS applications
- > Utilized model-view-controller architecture

Swift Xcode



# Fall 2018

Twitter Analyzer,

> Twitter bot that scrapes, analyzes, and graphs tweet likes, replies, retweets, and dates from a userinputted Twitter account

Python Pandas BeautifulSoup Jupyter Notebook GitHub

## Nov 2018

Personal Website,

> Site is linked in the header

HTML | CSS | JavaScript | Visual Studio Code

#### Dec 2018

Recordmendation,

Jan 2019

> Worked closely with Spotify's API to develop a website that curates a playlist of songs based off of user-inputted criteria

React Node Heroku Spotify API



Java, React, HTML/CSS, Bootstrap, Adobe Suite, Windows, macOS, Kali Linux Proficient

Familiar Python, R, Javascript, ETFX

**Currently Learning** MongoDB, Machine Learning, PyAutoGUI