# **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 and Mathematics

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

GPA: 4.2



#### Feb 2019 **Score Spectre**

- > Created an augmented reality application for the HoloLens to help musicians read sheet music and play instruments more effectively
- > Overcame constant challenges as this project was created within 36 hours during the VTHacks hackathon, such as working with people I had never met before
- > Placed 1st in category and top 8 in all of the event, where over 200 people competed Unity C#

Dec 2018

#### Recordmendation

Jan 2019

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

React | Node | Heroku | Spotify API

#### Oct 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



#### Sept 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



Languages Java, Python, Javascript, R, HTML/CSS

React, GitHub, Bootstrap, Windows/macOS/Linux, Adobe Suite, LTFX Technologies