

# Cole Garvey

Computer/Data Science

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## EDUCATION

**University of Colorado Boulder**

**South Hunterdon Regional  
High School**

## SKILLS

### Tools and Software:

- Visual Studio Code
- MySQL Workbench
- Jupyter Notebook
- Git/GitHub
- Postman
- Figma

### Languages:

- HTML/CSS
- JavaScript
- Python
- C++
- SQL

### Other:

- MySQL
- MongoDB

## RELEVANT COURSES

- Intro to Artificial Intelligence
- Applied Machine Learning
- Design and Analysis of Data Systems
- Fundamentals of Computer Security

## WORK EXPERIENCE

### Equitable

#### Information Technology Intern

- Worked with several branches of the Cyber Security team such as SOC Analysts, Incident Response, Cyber Threat Intelligence, and Vulnerability management teams.
- Gained valuable insight into security procedures in addition to SIEM and SOAR tools used to assess and respond to threat actors.
- Analyzed and reviewed 3rd party software, assessing measures of risk, compliance, compatibility, and scalability.
- Aided in the creation of a GenAI software review agent for security assessments.

### Walkers Wine and Spirits

#### Sales Associate

- Worked as a cashier, restocking product, taking customer phone calls, online orders, and accounted for product deliveries and pricing.

## EXPERIENCE

### Artificial Intelligence

#### Machine Learning

- Utilized regression and classification models within the scikit-learn python library for data prediction with minimized error.
- Preprocessed data using exploratory data analysis techniques to clean training data. Including: feature correlation, scaling, one hot encoding, and principal component analysis.
- Implemented a random forest classifier with scikit-learn breast cancer dataset to learn the importance of selected features and estimators.

#### Deep Learning

- Utilized the TensorFlow python library to create and understand the layer structure and activation functions of neural networks.
- Implemented a convolutional neural network fit with pooling layers to classify images of numbers 0-9.
- Implemented a sequential neural network utilizing dense and dropout layers to classify numbers 0-9 using the unwrapped pixel values.