

JOSEPH VITA

Rochester Institute of Technology

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🌐 www.github.com/Jcvita

PROJECTS

Python stock data collector and analyzer

- Using Python libraries such as TA-Lib to generate graphs and statistics of real time stock data
- Collaborating with a small group in an enterprise-grade environment using Git
- Using machine learning frameworks such as Tensorflow to learn trends and predict buy/sell points in the market and add weights and biases based on updated news trends.
- Using Docker to create optimized environments for MongoDB and Flask services

snip2clip

- Used Visual Studio 2019 with C# to make my own version of the Windows snipping tool
- Used the Tesseract API to run OCR on the snipped images
- Created and currently maintaining a tool that myself and others use on a daily basis and works more efficiently than Microsoft's current snipping tool

AutoDJ

- Kahoot-style voting software for music selection tailored towards large groups
- Collaborated with a small group using Git to build a full stack application
- Worked with backend libraries such as Node.js and Express
- Managing server hardware to set up working environments for MongoDB

Handwritten Digit Classifier

- Used TensorFlow and Keras to classify handwritten digits in 28x28 images with a 95% accuracy
- Taught myself the basics of machine learning and convolutional neural networks
- Learned how to understand large dataset collection and classification

TECHNICAL SKILLS

- Python, Java, C#, C, Javascript, JQuery & AJAX, Flask, HTML5, CSS, Node.js
- Git and Github, Microsoft Windows, Office, Visual Studio, Ubuntu, Kali, Bash, Docker, Docker-Compose, MongoDB

EDUCATION

Computing Security BS - 3.03 GPA

Rochester Institute of Technology

📅 August 2019 – May 2023

Active Voting Member

RIT's Computer Science House

📅 August 2019 - Current

EXPERIENCE

Intern

SUNation Solar Systems

📅 June 2019 – Aug 2019 📍 Bohemia, NY

- Organized and digitized a database of sensitive customer information as well as classifying customer documents in a timely manor through Salesforce.
- Automated the process of filling in missing information on sales records and panel installation data using Google Apps Script to save time and ensure data integrity

Programming Captain

FIRST Robotics Championship

📅 Sept. 2017 - Apr. 2019 📍 Bohemia, NY

- Lead a team of programmers to write the Java code for a remote control tank-drive style robot using PWM VictorSPX motor controllers
- Taught aspiring, inexperienced students the fundamentals of object oriented programming, writing code in Java and using external libraries while ensuring our code stayed neat, efficient and consistent.

RELEVANT COURSEWORK

- Computer Science II
- Programming for Information Security
- Systems Administration I
- Routing & Switching I