Melvin John

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Education

St. Thomas Aquinas College, Sparkill, NY   May 2021
Bachelor of Science, Computer Science   GPA: 3.57
- Dean's List
- Academic Scholarship
- Dean's Grant
- Kappa Mu Epsilon
- Cum Laude

Skills

- **Languages:** Python, Go, Java
- **Tools:** Docker, Git, Selenium, Kubernetes, Tensorflow, Numpy

Experience

Kubernetes (Open Source)   **July 2021 - Present**
- Refactored master to controlPlane

Projects

Automated Bill Submitter   **Python, Selenium**
- Developed a Selenium script that automates the billing process for an ambulette business
- Once this script was implemented, the time to complete the billing process was cut down by 90%
- Saved the business roughly $2000/month when compared to alternative solutions

Emotion Based Music Player   **Python, OpenCV, Tensorflow, Spotify API**
- Led a team of 3 to develop a program that implements OpenCV, Tensorflow, and machine learning to analyze the user's emotion to curate a customized playlist through the Spotify's API
- Optimized the dataset used to train the emotion recognition model in order to obtain 60% accuracy. This is an estimated 30% increase when compared to other models

Music Artist Website   **HTML, CSS, PHP, MySQL, Bootstrap**
- Designed a website for an artist that features merchandise, tour dates, a music player through the use of Spotify's API, and a newsletter function
- The newsletter funcion implements MySQL to store user emails to send notifications of tours and new music

To-Do   **Java**
- Developed a To-Do application which allowed the user to input tasks and update the tasks as they are in progress or completed
- User is able to enter text into a column and then have the option to save any changes
- If the user decides to save, all text present in the columns are serialized