



Dalton Avery

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Areas of Interest

Software Engineering

| Big Data

| Deep Learning

| Artificial Intelligence

Education

BS in Computer Science | Lamar University | GPA: 3.82/4.0

May 2022

Coursework: Java Fundamentals I-III, Data Structures, Discrete Structures, Computer Organization and Assembly Language, Computer Theory, Operating Systems, Algorithm Analysis, Database Design, Computer Architecture, Computer Networks, Survey of Programming Languages, Artificial Intelligence, Software Engineering, Cybersecurity Networks, Big Data Computer Systems, Network System Administration

Skills

Languages: Java, Python, C++, C, Oz (Mozart)

Technologies: SKLearn, Keras, Tensorflow, Numpy, OpenCV

Methods: Deep Learning, Software Engineering, Big Data, Git, Github

Awards

President's & Dean's List, Smith-Hutson Scholar, Crawford-Lewis Scholarship, Academic Excellence

Projects

TAMU Datathon Project: NFT Sales Tracker

- Utilized the OpenSea API to get updates once a second and document the NFT's purchased.
- Used the data gathered to create a visual to determine which NFT collections were being sold the most in the hour, day, and week
- Allowed the user's to get early access knowledge on which NFT collections will sell the quickest.

Personal Project: Gesture Recognition Controller

- Used OpenCV combined with Tensorflow, Keras, and Numpy, to map certain hand gestures to an output signal.
- Used Image gathering to create training and testing data, background subtraction techniques such as gaussian blur, and computer vision methods with image detection.
- Allowed user to create own training data and map hand gestures to arbitrary actions

Work Experience

Cashier, H-E-B

June 2020 - Present

- Provides excellent customer service while handling transactions with customers
- Handles large volumes of cash while maintaining a 100% accurate till

Economic Development Intern, Silsbee Economic Development Corporation

May 2019 - August 2019

- Maintained and updated websites for the EDC and multiple related foundations
- Collaborated with the EDC Director to create monthly video commercials for businesses in the area

Organizations

Blockchain Student Society | Treasurer

- Constructed the BSS Website and provided maintenance
- Created budget requests and reports for Lamar University's documentation
- Advised on fundraising opportunities and potential dues

Smith-Hutson Scholarship Program | Smith-Hutson Scholar