Antonio Iadicicco

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Education

Hunter College – Bachelor of Arts in Computer Science Aug 2024

Courses

Computer Science Electives: Introduction to Data Science, Flutter Application Development, Database Management
Math: Calculus I & II, Linear Algebra, Statistics

Skills

Machine Learning & AI: Keras, Tensorflow, Pytorch, scikit-learn, Langchain, Stable Diffusion, tiktoken, OpenAI
Mobile Development: React-Native, Flutter, Dart
Data Science: Pandas, Numpy, Matplotlib, Seaborn, Fuzzywuzzy, scikit-learn, Data Visualization
Web Development: React, Node.js, Flask, REST API's
Cloud: AWS, ElasticBeanstalk, Lambda, EC2, ECR, Route 53, IAM, DynamoDB, Google Cloud Platform (GCP), Firebase
Languages: C++, C#, C, Assembly (MIPS), Python, Javascript, HTML, CSS, SQL
Other: Docker, Linux, Bash, Unix Scripting

Experience

Co-Founder, Anatta – Brooklyn, NY August 2021 – August 2023

- Founded and grew commercial clothing consignment ecommerce platform, leading it to $100,000 in revenue in the first year of operation
- Developed and integrated both custom and commercial-grade solutions to streamline workflows
- Grew company to a team of 4 with 2 part-time employees, managing operations and logistics.
- Coordinated pop-up events, and helped local/young designers launch their own clothing brands, entirely pro-bono.

Projects

LuminaSYNC https://github.com/HanifMDjamiludin/LuminaSYNC

- Developed a Flutter-based Android app and a custom Linux distribution based on Debian for the Raspberry Pi.
- Enabled users to create their own smart addressable LED strips at a significantly lower cost than commercially available products.
- Implemented a device discovery feature based on mDNS for seamless pairing of devices to the user's account.
- Utilized the MQTT protocol for all device communication, using a custom version of the Mosquitto MQTT broker hosted in GCP.
- Provided functionality for users to create custom lighting patterns and animations, and control LED strips.

GPTColab

- Built a multi-chat web app for interacting with an enhanced ChatGPT using React and Python Flask.
- Enabled ChatGPT access to a Python Interpreter, optical character recognition (OCR), web browsing, recursive prompting, and multi-modal functionality.
- Built within 3 weeks of GPT-4's release, and several months prior to the official implementation of any of these features by OpenAI.

Speed Camera Data Science Project http://www.antonioiadicicco.com/speedcamera/

- Extracted Data from nearly 10 years of traffic violations and Collisions in order to develop a dataset for speed camera revenue, and collision prevention.
- Created a predictive ML model to forecast future revenue and collision prevention statistics for each camera in the New York City network.