Elvis Garramone

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Projects

Lookr - AI Facial Landmark Detection

- Developed application by utilizing **ReactJs**, **TensorFlow.Js**, **React-web-cam**, NodeJs, and JavaScript.
- Incorporated Model Architecture with Convolutional Neural Network (MobileNetV2) customized blocks for optimized performance. To accommodate head rotations, 3D IOD was implemented.
- Integrated MediappPipeFaceMesh, a geometry solution that estimates 486 3D landmarks in real-time with employed machine learning to render 3D surface geometry.

Hella Fit | Fitness Application

- Built application from scratch and integrated multiple **APIs** from RapidAPI to showcase a real-time live demonstration of how to perform specific workouts.
- Leveraged and engineered **ReactJs**, & **Material UI** which created reusable components across the codebase to easily maintain organization across multiple folders through fitness application.
- Employed React best practices with file structure and hooks to ensure navigation through the codebase was easy to use and fully reusable.

Gugel | Google Search Engine Clone

- Spearheaded a replica of the Google Search Engine entirely from scratch with both a front-end and back-end with integrated capabilities for user experience.
- Utilized **Context API (redux)**, with React Router and built a **Custom Search API** that is merged within the application to switch swiftly between search results and search component.
- With the help of Firebase, this application generates 100 quotas a day, giving this web app all the necessary tools needed to search through Google API's database to find your desired answer.

Experience

FIT *January 2022 - July 2022*

Semiconductor Engineer

- **Designed**, **Tested**, **Fabricated**, and **Assembled** semiconductors that were later sent to Toshiba for further analysis. Accelerated productivity of the firm from **25%** to **59%** within **5** months with systems set in place.
- Troubleshoot potential software malfunctions and resolved any errors if and when they occurred with our integrated semiconductor devices and machines while utilizing **Python**, and **C/C++**.
- Secured 35 new international clients to conduct business while speaking and translating English and Japanese. Translated software designs, engineering techniques, data analysis, and future integrations with devices.

Semiconductor Engineer Intern

- Utilized failure analysis for all devices and machines to ensure the final product was suitable for production.
- Implemented and streamlined new factory guidelines that helped engineers communicate with different teams. Restructured communication flow among 3 departments and cut down paperwork by **73%**.
- Incorporated Data Visualization for in-house proprietary data that helped process data **45%** more efficiently while implementing **Python**, **R**, and **JavaScript** within the company software.

Education

Leeward Community College *Pearl City, Hawaii (May 2021)*

A.A.S Business Finance

Relevant Coursework: Data Analysis, Computational Systems, Optimization, Microeconomic & Macroeconomic Principles

Skills

Programming Languages: Proficient in Python, Javascript, C |Familiar with Java, C#/C++, Angular, PostgreSQL, Matlab, R

Leadership Roles: Red Cross - Led team in Chigasaki district in the aftermath of the Tohoku earthquake and tsunami.