

Elvis Garramone

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Relevant Links: [LinkedIn](#) | [GitHub](#) | [Personal Website](#)

Programming Languages: Python, JavaScript, C/C++, R, Java, HTML, CSS, SQL,

Technologies: Tensorflowjs, TypeScript, JQuery, Flask, MatLab, LabView, Verilog, Django, OpenCV

EDUCATION

Leeward Community College

May 2021

- *Business Finance major on Dean's List (Pearl City, Hawaii)*

WORK EXPERIENCE

FIT

Ayase Kanagawa, Japan

Semiconductor Engineer

March 2022 - July 2022

- **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.

FIT

Ayase Kanagawa, Japan

Semiconductor Engineer Intern

January 2022 - March 2022

- Utilized failure analysis for all devices and machines to ensure the final product was suitable for production.
- Conducted workload assessments and devised new operational processes that led to a **40%** increase in productivity within the engineering department.
- 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.

PROJECTS

AI Facial Detection | [Github Code](#) | (TensorFlow.js, ReactJs, JavaScript)

HI, USA

- Incorporated Model Architecture with Convolutional Neural Network (MobileNetV2) customized blocks for optimized performance. To accommodate head rotations, 3D IOD was implemented.
- Integrated MediapipeFaceMesh, a geometry solution that estimates 486 3D landmarks in real-time with employed machine learning to render 3D surface geometry.

Fitness Application | [Github Code](#) | (ReactJs, JavaScript, Material UI, APIs, HTML, CSS)

HI, USA

- 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.

Google Clone | [Github Code](#) | (JavaScript, ReactJs, Context API (redux), HTML, CSS)

HI, USA

- 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.