

# LUIGI AARON JACELA

## SKILLS SUMMARY

- **Front End Web Development:** HTML, CSS, Bootstrap, Git and GitHub
- **Back End Development:** JavaScript, Node.js, Express.js, MongoDB, Postman, REST API
- **Fullstack Development:** React.js, API Integration with Fetch and Trello
- **Design Software:** Circuit Simulation, LTSplice

## Work Experience

### Junior Design Engineer

Yazaki Philippine EDS Techno-Service, Inc. — *October 25, 2021 – Present*

- Review and interpret wiring harness designs for automotive parts based on customer-provided documentation.
- Perform circuit simulations to verify fuse lists and ensure proper wiring protection and voltage drop.
- Create output reports based on circuit simulations and share findings with customers.
- Communicate directly with clients to plan job orders, negotiate deadlines, and manage man-hour allocations.

### Test Debug Engineer

Test Tech Group (DDAP) — *December 03 2018 – May 21 2021*

- Provided line sustaining and debugging support for hardware-related issues, specifically with LTXMX and KVD systems.
- Utilized C++ and Linux Cadence applications for software debugging and hardware analysis.
- Gained experience using Xilinx Vivado for programming GMSL1 and GMSL2 Daughter Cards.
- Employed various testing tools such as GBD and Limit Generator for correlating data from newly built load boards.
- Interpreted hardware schematics to diagnose and resolve issues with malfunctioning equipment.

## PROJECT EXPERIENCE

### Personal Portfolio

Project Title: Personal Portfolio Website (Capstone 1)

Role: ZuitT Student (Front-end Developer)

<https://webporfolio-6419.vercel.app/>

Description:

- Designed and developed a responsive personal portfolio to highlight professional projects, skills, and achievements. The site is optimized for mobile, tablet, and desktop viewing, providing a clean and engaging user experience. It serves as a central hub to showcase development capabilities and personal brand identity.

### E-Commerce Workflow Management System

Project Title: Dynamic E-Commerce Workflow Management (Capstone 2)

Role: ZuitT Student (Back-end Developer)

<https://documenter.getpostman.com/view/44619369/2sB2xCgos1>

Description:

- Developed a comprehensive RESTful API for an E-Commerce Workflow Management system, built with **Node.js**, **Express**, and **MongoDB**. The backend is designed to handle dynamic routing, secure user authentication, and efficient product and order management. This Postman documentation provides an organized, developer-friendly reference for all endpoints and usage instructions.

## CONTACT

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- <https://webporfolio-6419.vercel.app/>

## EDUCATION

### ZUITT

March 2025 – Present

- Full-Stack Web Development

### TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES- Manila

June 2015 – April 2018

- Bachelor of Science in Electronics Engineer

### TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES- Cavite

June 2012 – April 2015

- Bachelor Technology in Electronics

## ADDITIONAL SKILLS

- Proficient in Microsoft Office
- Strong problem-solving and analytical skills
- Teamwork & Collaboration
- Customer Negotiation & Automotive Design Solutions
- Hardware Troubleshooting & Diagnostic Skills

## PROJECT EXPERIENCE

### E-Commerce Platform Development

Project Title: MERN E-Commerce Platform (Capstone 3)

Role: Zuitt Student (Full-stack Developer)

<https://b546-csp3.vercel.app/>

Description:

- A full-featured e-commerce workflow management system built using **React** for the frontend and a scalable **Node.js/Express** backend with **MongoDB** integration. The platform supports user registration, product browsing, cart management, and order processing. Admin users can manage product listings and view orders, enabling seamless business operations.

### Static Educational Hub

Project Title: Static CarHub

Role: Zuitt Student

<https://luigiaaronjacela.github.io/EducationalCarHub/>

Description:

- Built a visually engaging and fully static educational website using **HTML** and **CSS**. "CarHub" demonstrates foundational front-end development skills and showcases a basic catalogue-style layout—ideal for showcasing vehicles or related educational content. The project highlights your ability to translate design into functional, responsive web pages.

### Movie List Documentation

Project Title: MERN Movie

Role: Zuitt Student

<https://movie-app-iota-brown-13.vercel.app/>

Description:

- Developed a dynamic movie review platform that allows users to explore movies and engage by commenting and sharing their thoughts. The app enables users to post their reactions, rate films, and interact with others—enhancing community-based discussions. Built using **React** for the frontend and **Node.js/Express** with **MongoDB** for the backend.

### Full-Stack Blog Platform

Project Title: MERN Blog

Role: Zuitt Student

<https://blog-app-react-one.vercel.app/>

Description:

- Built a full-stack blogging platform that allows users to create, read, update, and delete blog posts, as well as comment on posts. The app supports both regular users and admins, with secure JWT-based authentication and role-based access. The UI is clean, responsive, and optimized for user engagement and readability.