PATRICK BEAL B. CALAGAHAN

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SUMMARY

Computer Engineering graduate with 3 years of experience in hardware embedded systems, and a year of experience in developing software and such as mobile development, UI/UX, and web development. With strong passion in front-end development working with HTML, CSS, Javascript, React, Tailwind, and Bootstrap.

SKILLS

Web Development
HTML, CSS, Javascript, React, Tailwind, Bootstrap, Material UI, Git, Github, Jasmine, Figma.

Programming Languages
Java, Python, C, C++, HTML/CSS, JavaScript

Communication & Interpersonal
Effective communication (EN & ES)
Ability to lead and manage projects
Decision maker & problem solver

EXPERIENCE

TESDA | IT Specialist (Intern) Macasandig, CDO | **03-2024-05-2024**

- Worked with an IT student, and 2 other Computer Engineers in managing and improving data management and presentation designs.
- Created stunning presentations with graphics design and AI voice generation, and designed a login and signup form webpage, which streamlined the workflow of my TESDA Coordinator.
- Recognized in the entire TESDA X region for successfully presenting stunning video presentations with clear and precise details.

EDUCATION

University of Science and Technology of Southern Philippines (USTP) **Lapasan, CDO 2020-2024**

- BS in **Computer Engineering**
- Cumulative GPA: **1.99/5.00** (1.00 = Excellent)
- Relevant Coursework: **Object Oriented Programming** and **Data Structure and Algorithm Analysis**

PROJECTS

Amazon-Clone
Developed an e-commerce website that resembles that of Amazon's website. By applying DOM manipulation, data fetching, and HTML generation, the website is fully functional from buying a product, adding it to cart, and tracking the package.

édafos(Soil)
Designed and developed a mobile application with Android Studio that the captured soil is arable or non-arable. Using TensorFlow the project achieved 81% accuracy for training dataset and 87.2% for training dataset along with 82% usability score

Cyber-Physical-System
A water quality monitoring system that combines software and hardware by using Arduino with C++ and ESP32 hardware, achieving 100%, 89%, and 100% functionality for its sensing, actuation, and computation component, respectively.