

Patrick V. Mediodia

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Objective Summary

A college student and aspiring software developer looking for internship experience and learning opportunities. Willing to study and interested in new and emerging technologies. Has a good foundation of IT knowledge to build upon and can perform under pressure. Can work in a team environment and collaborate with other people.

Skills

- Capable of building front end web applications using HTML, CSS, and JavaScript. Able to use frameworks such as Bootstrap and has beginner experience on React and Tailwind.
- Proficient in creating backend web applications using C# ASP.NET framework (MVC, Web API, Web Forms) and Python Flask for web APIs.
- Competent in creating cross-platform applications that will work on Android and iOS using Flutter and Xamarin to reach more users and for easier development through a single codebase.
- Knowledgeable in using SQL databases and Firebase to store data in an efficient and scalable manner.
- Able to use version control systems such as Git and GitHub for easier project management and collaboration.
- Can interface different hardware devices such as Arduino, WeMos, and Raspberry Pi through serial and web APIs to create functional Internet of Things systems.
- Capable of setting up, creating, and securing basic networks through Cisco CCNA training and certification.
- Has general IT knowledge and troubleshooting skills through CompTIA ITF+ and A+ training and certification.

Projects / Experience

iCHECK Startup

March 2022 – July 2022

- Conceptualized iCHECK, a digital platform for official id's, documents, and credentials to enable easy sharing, ensure authenticity, and reduce the usage of paper. Won 1st Place on the Philippine Startup Challenge regionals and won 5th place in nationals.
- Developed using flutter for the frontend of the mobile application and website, riverpod for state management, and firebase for the database and backend.

Pet Feeder (Internet of Things)

May – June 2022

- Made an IoT based pet feeder through a WeMos microcontroller using HTTP protocol. Feed your pet remotely and be able to set recurring times of feeding using a Xamarin based mobile application.

Library Management System

March - May 2021

- Created a system where librarians are able to manage books and library users are able to borrow and return books. Used C# ASP.NET Webforms & Web API for the backend. MSSQL for the database. HTML, CSS, Bootstrap, and JavaScript for the website frontend, and Java for the Android application.

Football Registration Website

March 2020

- Developed a website for a football tournament where teams can see the tournament details, how to register, and the teams that have already registered. Used HTML, CSS, JavaScript, and bootstrap for the front-end, and used flask for the backend.

Education

College – Mapua Malayan Colleges Laguna

August 2019 – Present

B.S. Information Technology

Consistent Dean's Lister and President's Lister

Senior High School – Mapua Malayan Colleges Laguna

June 2017 – May 2019

Information Communications Technology Strand

Graduated with Honors

Affiliations

Association for Computing Machinery MCL Chapter (MCL-ACM)

August 2020 – Present

Executive Committee – Treasurer S.Y. 2021 - 2022