Ian James S. Mendoza

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EDUCATION

Mapúa Malayan Colleges Laguna (2021 – Present)
Bachelor of Science in Information Technology
- Consistent Dean's Lister (1st year – Present)

Mapúa Malayan Colleges Laguna (2019 – 2020)
Science, Technology, Engineering, and Mathematics

PROJECTS AND CONTRIBUTIONS

C# Forms - RFID Controlled Barrier using Arduino – Final Machine Project (Feb 21, 2024)
Hardware Leader
- Led the hardware development of the frontend for an RFID-controlled barrier system using C# Forms.
- Collaborated with the user-friendly interface to control and monitor the barrier system, enhancing user experience and accessibility.
- Led the hardware team to ensure seamless communication between the mobile app and the Arduino-controlled barrier.

earning Environment Monitoring System - Capstone Project (October 2024 - Present)
Hardware Leader
- Led the design, assembly, and integration of hardware components for a smart classroom monitoring system using Arduino-based sensors.
- Developed and implemented sensor networks to monitor temperature, air quality, fire detection, and lighting conditions in public classrooms.
- Ensured proper interfacing between sensors and microcontrollers for real-time data acquisition and transmission.
- Collaborated with the software team to optimize hardware-software communication and system efficiency.

Elevated Car using Arduino – Final Machine Project (July 22, 2024)
Hardware Leader
- Led the design and development of the hardware system for an Arduino-powered Elevated Car project.
- Assembled and configured motors, sensors, and control circuits for precise vehicle movement and elevation control.
- Integrated Arduino microcontrollers with a mobile app for wireless control and automation.
- Conducted rigorous hardware testing and debugging to ensure reliability and efficiency.

SKILLS AND COMPETENCIES

- Sensor Integration and Data Acquisition
- Embedded Systems (Arduino Microcontrollers, ESP32 Boards and WEMOS)
- Version Control: GitHub *(Entry Level)*
- Java, C#, Python *(Entry Level)*
- Web Development (HTML5, CSS3, ASP.NET, JavaScript)

LEADERSHIP AND ORGANIZATION

College of Computer and Information System Department Week (April 2023)
Right-hand of the Captain
- Handled and managed over 180+ students/members for the event.
- Conducted briefings and orientations to inform members about upcoming plans and events.

InfoTech Society - Mapúa Malayan Colleges Laguna (2021 – Present)
Member
- Engaged in assemblies that discussed about future plans and activities under the College of Computer and Information Sciences Department
- Participated in multiple events hosted by the organization
- Attended in events and received certifications in recognition of my hard works

WearOS Workshop (November 23, 2024)
Committee Member
- Collaborated with the organizing team to gather and compile all necessary materials for the workshop speakers.
- Contributed to the creative process of designing certificates of completion for workshop participants.
- Verified participant attendance and ensured accurate record-keeping for certificate issuance.

TRAINING AND SEMINAR

WearOS: Emerging Technology for Internet and Learning of Everything (November 23, 2024)
Mapúa Malayan Colleges Laguna
- Acquired foundational skills in smartwatch programming
- Engaged with innovative concepts and ideas in the field of WearOS technology.
- Experienced hands-on smartwatch coding and developed an app as part of an activity.

Technical Seminar on Internet of Things (July 4, 2024)
INTI International University – Kuala Lumpur, Malaysia
- Attended keynote sessions by industry experts, gaining valuable insights into the latest IoT trends and innovations.
- Explored and utilized new software tools specifically designed for IoT applications.
- Engaged in hands-on coding sessions, gaining practical experience in IoT development.

Technical Seminar on Artificial Intelligence (July 4, 2024)
Management and Science University (MSU) – Kuala Lumpur, Malaysia
- Attended in keynote sessions led by industry experts, gaining valuable insights into cutting-edge AI trends and advancements.
- Explored diverse projects leveraged by AI integration.
- Learned about the application of cutting-edge AI as a form of cybersecurity in their system.

International Cultural Immersion and Technology Exposure Tour (July 3-6, 2024)
Mapúa MCL Exchange Program – Kuala Lumpur, Malaysia
- Collaborated with students and professionals from various cultural and technological backgrounds.
- Attended seminars and presentations on the latest advancements in technology.
- Explored cutting-edge technology and innovation in a diverse international setting.

CERTIFICATION

- **AWS Academy Graduate - AWS Academy Cloud Foundations** - *Amazon Web Services Training and Certification, November 11, 2023*
- **Google Cloud Platform** - *Google Cloud Skills Boost, Sep 7, 2023*
- **CCNA: Introduction to Networks** - *Cisco, November 15, 2022*
- **UI / UX for Beginners -** Great Learning Academy, November 2024
- **Introduction to JavaScript** - Great Learning Academy, September 2024
- **React JS Tutorial** - Great Learning Academy, August 2024
- **CSS Properties** - *Great Learning Academy, August 2024*
- **Introduction to Web Designing** - *Great Learning Academy, August 2024*
- **Front End Development – CSS** - *Great Learning Academy, August 2024*

- **Front End Development – HTML** - *Great Learning Academy, August 2024*
- **Android Application Development -** *Great Learning Academy, August 2024*
- **Cloud Computing Foundations** - *Great Learning Academy, August 2024*