

Aeron A. Caponpon

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SKILLS

Programming Languages *Python | Java | JavaScript | PHP*

Technologies *MERN Stack | Bootstrap | Chakra UI*

Tools *Git | Docker | Postman | Figma | Canva | VS Code | Adobe Photoshop*

EXPERIENCE

AESi - Accur8 Enterprise Solutions Inc.

February 2024 – May 2024

Web Developer Intern – MERN Tech Stack | Postman | Docker | Bitbucket

- Went to training for Backend and Frontend development.
- Developed a Billing Generation web – application that the company will use to send billing information to its clients.
- Specifically assigned as one of the backend developers to the project by developing CRUD APIs using JavaScript, used Postman, Docker, and MongoDB to verify API functionality, following the Clean Architecture technique.
- Worked on creating the documentation for the Backend, and for the Frontend to use as a reference.
- Attended dailies and scrum meetings for progress checking and updates regarding each other's tasks, and experience in version management using Bitbucket.

NOTABLE PROJECTS

THESIS (2024) – HTML | CSS | JavaScript | PHP | Bootstrap | Python (scikit-fuzzy) | MySQL | Cronjob

- Created a website that displays all parameters gathered by the sensors in the hydroponic system.
- Developed the AI feature, specifically fuzzy logic to automatically adjust and control motors, valves, and other components inside the hydroponic system to achieve acceptable living conditions for the lettuce plant.

SOFTWARE DESIGN COURSE (2023) – Java | MySQL

- Developed a local host uniform and book ordering system for the University. Along with a Log-in system, a full-fledged UI and an Admin page.
- Mainly lead the backend side of the project.

DEEP LEARNING COURSE (2023) – Python | TensorFlow | GoogleColab | Jupyter

- Generated a model of 94.6% confidence level to detect cataract in patients. And manually annotated hundreds of pupils for training.

CISCO (2023) – Packet Tracer

- Using Packet Tracer, created a network for a 5-storey building in the University consisting of 5 or more rooms with various clients ranging from PCs to wireless devices.
- Created an addressing table for the whole building complete with IPv4, subnetting, DHCP, VLAN, security, End points, and most of the fundamentals.

MINOR PROJECTS (2020 – 2024) – C++ | MatLab | Python | Java | Verilog | SQL | Proteus

- Mini projects for courses such Programming Logic and Design, Computer Architecture and Organization, Machine Learning, OOP, Fundamentals of Mixed Signals and Sensors, and more.

EDUCATION

Bachelor of Science in Computer Engineering – Cum Laude

Class of 2024

Batangas State University the National Engineering University – Alangilan

GWA: 1.4249

CERTIFICATIONS

SMART SWEEP: Agile Methodology | Udemy: Ethical Hacking Crash Course & Python and Django Framework for Beginners | Cisco: CCNAv7 Network Certificates