Jana Venice Dayao

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Education

Singapore Institute of Technology & University of Glasgow   2023-2026
BSc in Computing Science, Specialization in Internet of Things (IoT)

Ngee Ann Polytechnic   2020-2023
Diploma in Biomedical Engineering

Whitley Secondary School   2016-2019
GCE 'O' Level Certificate
- **Awards:** Scholastic Merit Award (2019 GCE Ordinary Level), Geography (2018 Secondary 3 Express)

Technical Skills

Programming Languages: Python, Java, Javascript, HTML/CSS, C, C++
Frameworks & Libraries: Vue.js, Flask, Django, TailwindCSS, Bootstrap
Databases & Database Management: MySQL, MariaDB, MongoDB Compass, MongoDB Atlas
Cloud & DevOps: Docker
Operating Systems: Windows, Linux
Software Development Practices: Agile

Internship

Innotech Resources   Mar-Aug 2022
Junior Engineer Intern
- Facilitated the design, construction, and deployment of 8 RFID Smart Shelves for the National Cancer Center Singapore and Sembawang Polyclinic
- Liaised with clients to gather feedback on challenges faced and identify areas for functionality improvements on Parata Mini, Parata Max, RFID Desktop Readers, and RFID Smart Shelves
- Performed preventive maintenance on equipment in polyclinics and hospitals to ensure optimal performance
- Produced documentation to assist in troubleshooting machines, including a detailed guide on tuning RFID antennas

Projects

BeSage | Python, Django, HTML/CSS, SQL, Figma
- Co-developed a learning management system using Django, implementing user authentication, role-based access control, and course management
- Designed high-fidelity prototype on Figma and developed responsive web pages using HTML, CSS, and JavaScript
- Designed and optimized SQL queries for efficient database interactions with MariaDB
- Developed Django views to manage user sessions and dynamically render data on web pages

AVConnect | Python, Flask, NoSQL, HTML/CSS, Javascript, Figma
- Led the team in developing a community-driven platform for Automated Vehicle (AV) users using Flask framework and MongoDB
- Designed and implemented HTTP API to handle user authentication, posts, and AV maintenance records
- Designed high-fidelity prototypes in Figma and developed responsive web pages using HTML/CSS and JavaScript

DigitalFNA | Vue, HTML/CSS, Typescript, Figma, Docker
- Developed responsive web pages using HTML, TailwindCSS, and Typescript to achieve cross-device compatibility
- Implemented client-side routing using Vue Router between web pages
- Containerized frontend, backend, and database using Docker to ensure consistent deployment environment
- Maintained project documentation on Confluence, detailing implementation process and design decisions