

Bryan Miguel C. Agan

📍 Purok 3, Pugaan, Iligan City, Northern Mindanao

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Education

Philippine Science High School - Central Mindanao Campus

With High Honors, Consistent Director's Lister

Balo-i, Lanao del Norte

August 2017 – June 2023

Mindanao State University - Iligan Institute of Technology

BS in Computer Science - Junior

Tibanga, Iligan City

August 2023 - Present

Experience

Software Engineer Intern

SkoolTek

Iligan City

June 2025 - August 2025

- Led development and maintenance of FaceTek, a facial recognition-based attendance and access control system used in school environments, improving entry/exit validation logic and duplicate detection workflows.
- Implemented system enhancements including activity logging, periodic data synchronization to AWS S3, and improved data traceability for operational records.
- Redesigned and expanded the Tkinter-based user interface by adding new screens and usability improvements, while collaborating with a manager and receiving occasional technical guidance from another developer.

Projects

Libris – Full-Stack Book Sharing Platform 🔗 | *TypeScript, Nuxt, Flask, PostgreSQL*

October - December 2025

- Developed a full-stack book sharing platform enabling users to rent, purchase, and manage personal book collections using Nuxt 3, Flask, and PostgreSQL.
- Collaborated with a team of 4 developers using Jira for ticketing and Bitbucket for version control, implementing structured Git branching and Agile workflows.

Full-Stack Student Information System 🔗 | *TypeScript, Nuxt, Flask, PostgreSQL*

August - December 2025

- Built a full-stack student information system with CRUDL operations, search, pagination, and data visualization using Nuxt 3, Flask, and PostgreSQL.
- Designed and implemented a RESTful API with JWT authentication, containerized PostgreSQL using Docker, and integrated Supabase Storage for scalable image handling.

PawPal – Pet Adoption Platform 🔗 | *TypeScript, Vue, Vite, Flask, MySQL*

June - August 2025

- Made significant progress on a full-stack pet adoption platform using Vue, Flask, and MySQL, establishing core application architecture and user workflows.
- Built and integrated frontend and backend components, establishing a scalable foundation for future feature development.

Hotel Management System – Desktop App 🔗 | *Python (PyQt6), MySQL*

April - May 2025

- Developed a desktop-based hotel management system using PyQt6 and MySQL to handle room management, reservations, bookings, and billing operations.
- Designed and implemented multi-module functionality including guest management, payment tracking, service handling, and real-time room status monitoring.

Desktop Student Information System 🔗 | *Python (PyQt6), MySQL*

January - April 2025

- Developed a desktop student information system using PyQt6 and MySQL, implementing CRUDL operations for managing students, programs, and colleges with search, sorting, and pagination features.
- Built administrative features including role-based modes (admin/viewer), undo functionality for recent changes, and a demographics visualization page to support data analysis.

Technical Skills

Languages: C/C++, Java, Python, JavaScript/TypeScript, MySQL, PostgreSQL

Frameworks: Vue, Nuxt, React, Next, PyQt6, Swing, TailwindCSS, Flask, FastAPI

Technologies: Git, GitHub, Bitbucket, Jira, HTML, CSS, Gimp, Figma, NuxtUI, DaisyUI, Docker, Supabase, Redis