

Genesis M. Dumallay

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Education

FEU Institute of Technology

August 2021 – February 2026

BS Computer Science with Specialization in Software Engineering

Manila

- Association for Computing Machinery (ACM), Junior Officer of Logistics Committee [2022 – 2024]

Experience

Thesis | Project Manager & Back-end Developer

2024 - 2025

GatherInManila: A Machine Learning Powered Event Aggregator and Recommendation Application

- Implemented a content-based event recommender using Min-Max scaling, a weighted preference score, cosine similarity, and K-Nearest Neighbors to rank personalized events across Manila City.
- Led and managed a development team, overseeing all phases of the software development lifecycle leading to successful project delivery.

Software Engineer Intern

April, 2025 – December, 2025

GlobalTek BPO Inc.

- Managed and refactored application codebases, improving readability and maintainability while boosting loading speeds by 31%.
- Developed and engineered AI-driven applications and agentic systems leveraging AWS cloud infrastructure, translating technical requirements into functional software while maintaining performant, cost-efficient AI solutions.
- Enhanced system reliability by implementing comprehensive testing suites (Unit & E2E) using Vitest and Playwright, streamlining development workflows.
- Led technical bootcamps to onboard interns, conducting structured training on development tech stack.

Technical Skills

- **Languages:** Python, C++, Java, JavaScript, Typescript
- **Development Tools and Frameworks:** Node.js, React, Next.js
- **Cloud and Infrastructure:** Amazon Web Services (AWS), Git, GitHub
- **Databases:** MongoDB
- **Testing Tools and Frameworks:** Postman, Vitest, Playwright

Certifications

- Information Technology Specialist in Java (2022)
- Information Technology Specialist in Python (2023)
- Cisco Networking Academy: Introduction to Networks (2023)
- Cisco Networking Academy: DevNet Associate (2024)