

JOHN TIMOTHY MANAL

SOFTWARE DEVELOPER

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SUMMARY

Unity Developer with hands-on experience building interactive installations, sensor-driven games, and IoT-integrated systems for public-facing environments. Skilled in C# (Mono and .NET), Unity pipelines, and cross-functional collaboration with hardware and web teams. Passionate about creating engaging user experiences that bridge technical precision with client vision.

TECHNICAL SKILLS

- C# Development for Unity (Mono Runtime)
- C# Application Development with .NET Framework/Core
- UI/UX Designing
- Software Prototyping
- RESTful API Integration & Development
- IoT Device Connectivity & Sensor Integration

PROFESSIONAL EXPERIENCE

Unity Developer at 11-FTC Enterprises, Quezon City

August 2022 — Present

- Smart Eco-Illection Bin – Led Unity development for a sensor-integrated recycling machine deployed in public venues. Maintained and enhanced features based on client feedback.
- Colgate Interactive Tactical Bin – Developed a branded supermarket installation using Unity and sensors to gamify product engagement.
- Built interactive games with camera and motion sensors for various client campaigns.
- Integrated IoT devices via serial and RESTful protocols in collaboration with electronics engineers.
- Coordinated with web developers to implement API-driven features and remote configuration tools.

Freelance Unity Game Developer at Mega Cat Studios, Pittsburgh

September 2021 — April 2022

- Developed 2D arcade games for Mega Cat's 3D Food Fight remake, optimized for arcade cabinet deployment.
- Maintained game architecture and implemented iterative updates based on QA and user feedback.
- Collaborated with graphic designers, sound engineers, and testers to deliver polished, immersive gameplay.

EDUCATION

C# Unity Game Developer in 2D and 3D, Udemy Online Schools

April 2022 - July 2022

Professional Course that teaches Game Design and Development using Unity for 2D and 3D Games

TVL – Information & Communications Technology Computer Programming

July 2019 - July 2021

Java & .NET Technology

STI Colleges Novaliches, Manila

- Relevant Coursework:
 - Mono C# Game Development and Deployment
 - Web Development using HTML, CSS, and JavaScript
 - Mobile App Development using Android Studio and Java Programming Language

ADDITIONAL INFORMATION

- **Languages:** English, Filipino
- **Certifications:** Complete C# Unity Game Developer 3D & 2D (Udemy)