<div align="center">

Mateo Segura

Morelos, México | mateo.seg.gue@gmail.com | 777 257 0548 | linkedin.com/in/mateosegurag

github.com/mateo-segura

</div>

Education

Tecnológico de Monterrey (ITESM), BS in Computer Science and Technology (ITC)   Aug 2023 – July 2027
- Key coursework: data structures and algorithms, object oriented programming.

Projects

Simple habit tracker (https://github.com/mathewsecure/react-habit-tracker)   July 2024 – present
- Full stack web application for habit tracking and visualization, using React (Vite) and Express.js with an MVC-inspired architecture.
- Implemented a MySQL database and authentication using JWT.
- (React, Vite, Express, MySQL, JWT)

Tanuki Sunset AI agent (https://github.com/mateo-segura/tanuki-agent)   Nov 2025 – Dec 2025
- Developed a Deep Reinforcement Learning agent with Unity ML-Agents that functions as a real-time guide for players in a customized version of Tanuki Sunset.
- Configured the sensory perception with sensors such as Ray Perception Sensor, allowing the agent to process its environment and avoid obstacles in real time.
- Optimized hyperparameters and reward functions analyzed in TensorBoard, achieving the model with the highest success rate and efficiency in the team.
- Collaborated on the technical integration of the model with respawn systems to improve the end user experience.
- (Unity, ML-Agents, TensorFlow, C#, Reinforcement learning, Data visualization)

Support app (https://github.com/mateo-segura/tickets)   Aug 2025 – Oct 2025
- Collaborated on the development of a native Android application for Mac Computadoras, intended for technical support management using Kotlin and Jetpack Compose.
- Integrated security using JWT tokens with role based authentication (Admin, Technician, Help desk) and consumption of a REST API for various components, such as the ticket module, using the Volley library.
- Collaborated on the UI/UX design in Figma, architectural documentation through sequence diagrams, and error mitigation by designing a testing plan.
- (Kotlin, Jetpack Compose, JWT, Volley, Figma, Git)

Volunteer

Collaborative content production (https://www.tusbuenasnoticias.com)   June 2024 – July 2024
- Collaborated within a team of six volunteers under editorial mentorship, following a structured activity manual to generate content for Tus Buenas Noticias.
- Researched and drafted information for a published article highlighting a key tourist attraction in Cuernavaca.
- Conducted an email interview with the Director of the Museo Regional de los Pueblos de Morelos.

Certificates

AWS Educate Introduction to Cloud 101, Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate, Scrum Fundamentals Certified (SFC)

Skills

Languages: English (intermidiate, B2 British Council English Score certificate in process), Spanish (native)

Basic: Kotlin, C++, C#, Python, TypeScript, CSS, Git, AWS, Linux

Intermidiate: MySQL, HTML, Node.js, Express.js, React, Unity

Proficient: JavaScript