Atenas Lucia Arita Garcia

Monterrey, N.L., México | atenaslucia23@gmail.com | +52 81 1590 5044 |

EDUCATION

Tecnológico de Monterrey, Campus Monterrey   Third Semester (Expected to graduate June 2027)
- Computer Science and Technology Engineering Student with a 3.6 GPA

DelCampo School, Tegucigalpa
- Bachelor in Sciences and Humanities (June 10, 2023)

PROJECTS

SmartStock: IoT-Based Intelligent Warehouse System   Technologies: ESP8266, MQTT, HTTP, Arduino
IoT Developer
September 2024 – November 2024
- Developed a real-time IoT monitoring system to automate inventory control and environmental monitoring for warehouses, with optimized sensor calibration and data processing to reduce inventory update time by 40%
- Programmed ESP8266 microcontrollers to collect and transmit sensor data (humidity, weight, and motion) to a centralized database.
- Implemented an API for integrating multiple MCUs with a unified data platform, enabling real-time analytics.

Unity Mini-Game (Flappy Bird-Inspired)   Technologies: Unity, C#
Game Developer
August 2024 – Present
- Created a Flappy Bird-style game using Unity and C#, developing game mechanics and object physics to control player movements and obstacles.
- Programmed character controls, collision detection, and scoring logic to replicate the original game experience.
- Gained hands-on experience with Unity's game engine, C# scripting, and debugging game functionality.

Responsive Portfolio Website   Technologies: HTML, CSS, JavaScript
Developer
October 2024 – Present
- Developed a responsive personal portfolio website to showcase software engineering skills and projects, designed to adapt seamlessly to various screen sizes, particularly for mobile devices.
- Implemented a flexible layout using CSS Flexbox and media queries to ensure that the website adjusts effectively to different screen sizes.
- **Key Achievements**:
  - Optimized the design for an intuitive user experience across devices.
  - Increased portfolio visibility and interaction by incorporating responsive features that make the site attractive and easy to navigate on any device.
- Available in https://atenaslucia.netlify.app/

LEADERSHIP EXPERIENCE

DCS Interact by Rotary Kaputzihil
Public Relations Co-Director/ Treasurer (December, 2021 - June 2023)   Tegucigalpa, Honduras
- Managed Interact's presence on social networks, supervising the creation of content for Instagram. Responsible for financial management and fundraisings, raising $2000 USD through different activities for community projects.

DCS WiSTEM
Tech Discipline Co-Director (August 2021 - June 2022)   Tegucigalpa, Honduras
- Held workshops on topics related to technology, also including contributions to digital media with relevant information about the role of women in STEM-related fields.

Robotics Club

Instructor (October 2022 - June 2023)   DelCampo School, Tegucigalpa
- Advocated for a robotics club, volunteering as an instructor and learning the language for TI Innovator Rovers.

Student Council DCS

Treasurer (Octubre 2022 - Junio 2023)   DelCampo School, Tegucigalpa
- Organized events and managed their finances, including activities where donations equivalent to $3000 USD were obtained, giving a donation of more than $5000 to the student body at the end of the school year.

WORK EXPERIENCE AND VOLUNTEERING

Women in Tech - Tecnológico de Monterrey

January 2025 - July 2025   Monterrey, México

Tutor
- Assisted in teaching courses on different programming languages and web developing for girls between ages 12-15.

Three Whisks Bakery

June 2022 - Present   Tegucigalpa, Honduras

Founder and Social Media Manager
- Founded a business of homemade pastries achieving a 266% profit margin through social media marketing.

Activities with Interact Kaputzihil

December 2021 - February 2023   Tegucigalpa, Honduras

Donor/ Coordinator/ Treasurer
- Organized events such as charity nights, school supply donations, and community food sales that collectively raised over $2,000 to support club activities.

CONFERENCES AND SEMINARS

- Harvard CS50X Introduction to Computer Science (Summer 2021), Attendee
- CERN Experience with Phillip Clark (September 2021), Attendee
- WiSTEM Introduction to Technology Discipline (March 2022), Speaker

LANGUAGES

- Spanish: Native
- English: B2 Proficiency

SOFT SKILLS

- Problem solving, Effective communication, Teamwork, Adaptability, Relationship management, Autonomy.

ABILITIES

Programming and Styling Languages:
- Python: Intermediate
- JavaScript: Beginner
- C#: Beginner
- C++: Intermediate
- CSS: Intermediate
- HTML: Intermediate

Softwares:
- Visual Studio Code: 2 years of experience
- Unity: 6 months of experience
- GitHub: 2 years of experience
- MySQL: 1 year of experience
- RStudio: 1 year of experience