ALLEN RAMÍREZ RAMÍREZ

Alajuela, Costa Rica · +506 60314590 · allenrr17@gmail.com
linkedin.com/in/allenramirezramirez · github.com/Allen-RR · allen-rr.github.io

EDUCATION

Universidad de Costa Rica   *April 2023*
Bachelor in Computing with emphasis in Computer Science   San José, Costa Rica

WORK EXPERIENCE

Maintenance Technician   *Jan 2012 – Jun 2023*
Configuraciones de Tecnología TecSet   Atenas, Alajuela, Costa Rica

- Corrective and preventive maintenance, re-installations, installation of Office packages, antivirus, network and general configurations.
- Occasional work, weekends.

Sales Manager   *Mar 2022 – Mar 2023*
Delicias Cai Comida Express   Atenas, Alajuela, Costa Rica

- Customer service, order management, inventory management, social media communications and advertising.
- Weekends.

PROJECTS

System for registration of hours and assignment of tasks | Django, Python, HTML, JavaScript, SQLite

- Participation in the creation of a website for the management of hours and tasks of students in their University Community Work.
- Developed using the Django framework, Python, HTML, JavaScript and SQLite.

Educational Game Application in hackathon | 🔗   Java, Android Studio

- First place national winning team of the NASA International Space Apps Challenge 2022.
- Development of a game using genetic algorithms for the combination of characteristics of organisms in space.
- Developed using Java and Android Studio.

Multiple vehicle tracking system | Python, Artificial intelligence, YOLO, SORT, MOT metrics

- Implementation of a system to compare tracking techniques of multiple vehicles with artificial intelligence.
- Developed using Python, Artificial Intelligence, YOLO, SORT and MOT metrics.

Roguelike video game | C#, Unity Game Engine

- Creation of a 2D platformer roguelike video game using the Unity game engine.
- Developed using C# and Unity Game Engine.

Optimization algorithm system | 🔗   C, C++

- Implementation of algorithms to find the optimal values in optimization problems.
- Particle Swarm Optimization heuristic algorithm project.
- Simulated annealing heuristic algorithm project.
- Developed using C and C++.

Data clustering application | 🔗   Python, Multi-threading, K-means

- Development of an efficient and effective multi-threading application that allows the grouping of large amounts of data.
- K-means|| data clustering project.
- Developed using Python, Multi-threading and K-means.

SKILLS

Languages: Spanish (native), English (advanced)

Programming languages: C++, Java, Python, JavaScript, C+, C#, Assembly

Frameworks: Django, JavaScript

Databases: MySQL, Microsoft SQL Server, SQLite, Redis

Artificial intelligence: Convolutional neural networks, tracking algorithms, natural language processing

Other technical proficiencies: GitHub, HTML, LaTeX, Google Docs, Microsoft Office, Internet, Social networks

Other skills: Research, problem solving, analytical thinking

HONORS & AWARDS

First place national winning team of the NASA International Space Apps Challenge 2022 | 🔗

- On October 1st and 2nd, 2022, I participated in the NASA International Space Apps Challenge 2022 hackathon in the Adaptation Heroes team.
- Our team was the first place winner for Costa Rica being part of the global nominees for this event, with our project "Hybrid Humans".