MIGUEL SOSA VILLEGAS

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EDUCATION

Bachelor's degree in Computer Science (GPA: 4.50/5.0)   January 2021 - Present
Universidad EAFIT   *Expected Graduation: July 2025*

- **Relevant Coursework:** Software Engineering, Computer Networks, Distributed Systems, Databases, Data Structures and Algorithms.

PROFESSIONAL PROFILE

Dedicated software engineer passionate about developing high-quality software solutions using clean code practices and implementing Continuous Integration/Continuous Deployment (CI/CD) pipelines.

SKILLS

Programming Languages: Python (Good), Java (Good), JavaScript (Basic), PHP (Good), C (Basic), HTML (Good), CSS (Intermediate).
Frameworks: Django, Laravel, Express, FastAPI.
Technologies/Tools: Linux, Git, GitHub, GitHub Actions, Docker, Google Cloud Platform (GCP), Kubernetes, AWS, API REST, gRPC.
Languages: Spanish (Native), English (B2).

PROJECTS

Pong   Pong videogame
*Technologies: C, Sockets | Deploy: AWS | **[GitHub Available]***   *September 2023*

- Created a multiplayer Pong game with server and client components using **C programming language**, with a focus on **socket handling** and **UDP** connection protocols.

Toysnt   E-commerce to sell (and destroy) toys
*Technologies: PHP, Laravel, Docker | Deploy: GCP | **[GitHub Available]***   *July - November 2023*

- Developed an e-commerce platform in **Laravel** specializing in the sale (and destroying) of toys. Prioritized the integration of robust and well-organized code practices. Additionally, proficiently leveraged **Google Cloud Platform (GCP)** and **Docker** for seamless deployment and scalability.

HotelSuite   Tutoring project
*Technologies: Python, Django | **[GitHub Available]***   *July - November 2023*

- Created a software engineering tutoring project focused on topics such as **system diagrams, requirements analysis, use cases, and more.**

Lookup   Product finder
*Technologies: Python, Django | **[GitHub Available]***   *July - November 2022*

- Designed and developed a web application in **Django** that streamlines product discovery by comparing offerings across multiple online shopping platforms. Implemented a rating system, providing users with a comprehensive global assessment of products' quality.

EXPERIENCE

Software Engineering Tutor   Medellín, Colombia
Universidad EAFIT   *July - November 2023*

- Led a comprehensive software engineering tutoring project focused on core topics including **system diagrams, requirements analysis, use cases, and more.** This initiative resulted in an **improvement in comprehension and application** of these critical concepts among the students.

Reseach Leader   Medellín, Colombia
Semillero de Investigación en Innovación y Emprendimiento   *February - November 2022*

- Led research on helping individuals **develop better systems thinking**. Created practical training programs that resulted in an **increase in participants' ability to see the bigger picture and solve complex problems.**