

Esteban Marín

eniram.contact@gmail.com | San José, Costa Rica

EDUCATION

UNIVERSITY OF COSTA RICA

BS IN COMPUTER SCIENCE

2018 -2021 | San José, Costa Rica

College of Engineering

Cum. GPA: 9.50 / 10

COURSEWORK

COMPUTER SCIENCE

Artificial Intelligence

Big Data

Compilers

Computer Architecture

Computer Networks

Experimental Design

Operating Systems

Operations Research

Parallel & Concurrent Programming

Software Engineering

SKILLS

PROGRAMMING

Proficient

C++ • TypeScript

Familiar with

BASH • C • C# • CSS • Dart

Go • Java • \LaTeX • Python • R • SQL

TOOLS

Django • Docker • Git • GCP • Jenkins

MPI • NextJS • OpenMP • ReactJS

Storybook • PostgreSQL

LANGUAGES

Advanced

Spanish • Native

English • C1

Intermediate

French • B2

VOLUNTEERING

UNIVERSITY OF COSTA RICA

Jan 2021 – March 2021

Taught incoming students preparing for precalculus in their first semester at the University of Costa Rica, in collaboration with the School of Mathematics.

EXPERIENCE

MICROSOFT | SOFTWARE ENGINEER

Nov 2024 – Current | San José, Costa Rica

- Azure Cosmos DB Security team.

THOROPASS | SOFTWARE ENGINEER

Nov 2022 – Oct 2024 | New York, United States (Remote)

- Integrated Multi-Factor Authentication (MFA) and Single Sign-On (SSO) into the login flow, significantly strengthening application security.
- Redesigned the user interface for 14% of the application pages, using newly developed, accessible components created in close collaboration with the Design and Product teams.
- Identified and resolved security vulnerabilities (e.g., SQL Injection, DoS, XSS), ensuring the company met its security compliance objectives.
- Regularly presented my team's work to the company with a product-focused approach, highlighting key metrics like Customer Retention Rate and Customer Effort Score.

BACKCOUNTRY | SOFTWARE ENGINEER

Jan 2022 – Oct 2022 | San José, Costa Rica

- Worked on the implementation and launch of new Cart, Checkout, and Receipt pages, migrating from deprecated frameworks to ReactJS and NextJS.
- Developed comprehensive documentation for internal processes and tools, accelerating onboarding and enabling engineers to start new stories more efficiently.
- Collaborated closely with non-technical stakeholders, including Marketing, Design, and Third-Party Vendors, to develop multidisciplinary solutions that addressed business needs.
- Reduced technical debt by implementing automated testing, logging key business metrics, and creating dashboards for site health monitoring.

UNIVERSITY OF COSTA RICA | TEACHING ASSISTANT

Aug 2021 – Dec 2021 | San José, Costa Rica

- Teaching Assistant for **Databases I**.
- Professor: **Dr. Alexandra Martínez Porras**.

PROJECTS

NEURAL CONNECT-4 | PYTHON, TENSORFLOW, KERAS

Nov 2020 – Dec 2020

Developed a sequential Neural Network to play Connect-4, trained on games generated by the MiniMax algorithm. The data was created using Python and fed into the TensorFlow model, achieving an 85% win rate against random play.

AWARDS

- | | |
|------|---|
| 2020 | ICPC. World Finalist, Moscow, Russia |
| 2018 | UCR. Highest Overall GPA School of Computer Science and Informatics |
| 2017 | UCR. 69 th /42 075 in Admission Exam (<i>Awarded full-tuition scholarship</i>) |
| 2017 | TEC. 29 th /17 056 in Admission Exam (<i>Awarded full-tuition scholarship</i>) |
| 2017 | FCACR. National U18 Chess Champion (<i>Highest-ranked U18 player in Central America</i>) |