JUAN PABLO ALVARADO VILLALOBOS
Computer Engineering Student

Portfolio: https://juan230500.github.io/portfolio4/

PROFESSIONAL BACKGROUND

Design Verification Engineer Intern

Helwett-Packard Enterprise | 2022-Current

I work in one of the HPE departments dedicated to CPLD and FPGA verification. For this I use verification tools such as SystemVerilog and UVM, in addition to working closely with other verification engineers.

Technical Assistant in the Guidance and Psychology Department

Instituto Tecnológico de Costa Rica | 2020-2022

I worked closely with the administration to ensure that the scope, direction and compliance of each process related to the mentoring program that benefits the student community. Also I did some research and analysis relative to their data inside the program.

Various sotfware and hardware projects

2018-Current

Where you can see my work:
-Portfolio: https://juan230500.github.io/portfolio4/
-Github (all the projects): https://github.com/juan230500/

Some of the most relevant relevant projects:
-Oficial website for a plastics company UNICAN (link)
-Website to display natural products of Manú (link)
-System to measure temperature in real time inside a greenhouse using arduino and IOT.

Physics Olympiads Tutor

Colegio Científico de Cartago | 2018-2021

I provided assistance to the students of the Institution with my knowledge and experience in the area of Physics to ensure that the students achieved the best possible results.

PERSONAL PROFILE

I am a student of Computer Engineering at TEC. I am self-taught and adaptable, and I am very interested in continuing to learn. My main goal now is to participate in projects or jobs that allow me to develop myself even more as a professional. For this I have studies and experience in software development and hardware design in combination with a solution-oriented vision and teamwork.

CONTACT INFORMATION

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SKILLS AND COMPETENCIES

-Self-motivated, positive-minded team player
-B1 english level and native spanish level
-Software development experience with GitHub
-Proficiency in project management

-Experience in SQL databases (PostgreSQL, MySQL, SQLite) and NoSQL (MongoDB)
-Usage of graphic design tools and prototyping (Figma, Balsamiq)
-Solid knowledge and experience with frontend technologies: React, React Native, HTML, CSS, JavaScript
-Experience in backend technologies: Nodejs, Expressjs, MogoDB
-Advanced knowledge in Python with an emphasis on Machine Learning.
-Experience in other technologies and languages such as: Java, C ++, Assembly, Android Studio, Angular, Flutter, Pygame, Django

ACADEMIC PROFILE

Instituto Tecnológico de Costa Rica

Computer Engineering | 2018-current

- More than 90% of the courses completed
- More than 20 projects developed on Github
- 5 research projects related to Hardware
-Participation in programming competitions such as Programathon and ICPC (2018-2020).

Colegio científico de Cartago

2016-2018

-Best average calification of my class
-Honorable mention in Ibero-American Physics Olympics 2017
-Honorable mention in the National Mathematics Olympics
- Bronze medal in national chess competition

REFERENCES

Adriana Mata
-Advisor of the Psychology Department
-Email: admata@itcr.ac.cr

Isaac Ramírez
-Professor at TEC
-Email: isaac.ramirez.herrera@gmail.com