

DAVID ALEJANDRO ARGUEDAS LOBO

ELECTRICAL AND
ELECTRONICS ENGINEER

CONTACT

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LANGUAGES

- English (Advanced): Read, Write, Speak, Listen.
- Spanish (Native): Read, Write, Speak, Listen

“Improving
myself
everyday

PROFESSIONAL PROFILE

Electrical and Electronics Engineer from the University of Costa Rica with expertise in RTL simulation, embedded systems data analysis, and chip testing. Proficient in Python automation tools, adept in Unix and Linux bash commands, and experienced in Git for version control and effective change tracking. Committed to peak performance and quality adherence in diverse technical domains.

WORK EXPERIENCE

- **Intel Coporation, Heredia | 16/12/2021 - 31/03/2023**
Product development Engineer
 - Simulation and analysis of the tests developed in **RTL (Register Transfer Level)**, as well as understanding of the written registers in order to use the corresponding registers for each test.
 - Proficient in characterizing and collecting data from **embedded systems** containing the company's technologies using tools such as Python with its libraries (**NumPy, Matplotlib**), **Microsoft Excel**, and **JMP**. Additionally, adept at creating and updating Python scripts to **automate workflows**, resulting in significant time savings and resource optimization for task completion.
 - Craft sophisticated tests for chips throughout **pre and post-silicon phases**, meticulously detecting and rectifying errors to ensure peak performance. Specialize in validating diverse chip memories such as ROM, SRAM, and DDR, upholding the highest **standards of quality** mandated by the company.
 - Proficiently employ Unix bash commands for adept **file and process management**, efficient **disk usage** optimization, and detailed **system information** display.

EDUCATION

- **2015 - 2022** **B.Sc. in Electrical and Electronics Engineering**
Universidad de Costa Rica, San Pedro
- **2022** **Introduction To Python Programming**
Instituto Tecnológico de Costa Rica, Cartago

COMPETENCES

- ⚡ **Operating systems: Linux/Unix, Windows**
- ⚡ **Programming: Python, C, C++**
- ⚡ **Computer Software: Verilog, TPIE®, Verdi® Automated Debug System, JMP, Microsoft Excel, Matlab & Simulink, Git,Github**