Edson Alexis **Alfaro Bernal**

Mechatronics Engineer

Profile

Mechatronics Engineer with two years of experience. Skilled programmer in Python language, also experienced with the usage of Linux Operating System and Git/Github.
Fluent English and Spanish.
Specially interested in software development, automation, robotics and AI.

personal

Edson Alexis Alfaro Bernal
nationality: Mexican
2000

Areas of specialization

Python · Linux · Git · Github

Interests

I'm interested on learning more about the software development world, I like coding challenges and participating on software projects with high impact proposal.

Interests

Python / Android / Linux
Web Development
/ Algorithms / Coding
LaTeX / Git / Software
Development

WORK EXPERIENCE

Dec-23–Present	**At Scale Validation Engineer** INTEL · Zapopan, Jalisco

- Responsible for debug and triage of state-of-the-art products.
- Lead the management of the prioritization of physical hardware movements, working closely with the experts to find the root cause of bugs.
- Design, execution and follow-up of experiments to perform a debug of the highest quality.
- Providing support to my teammates in the memory area, serving as an expert in the area.
- Development of software tools to streamline debugging and automate possible tasks for better time utilization.

May-23–Dec-23	**QA / Test Developer** IBM · El Salto, Jalisco

- Responsible for Quality Assurance of an IBM Enterprise Product.
- Strong skills on Linux Operating System.
- Developing of internal tools and automation solutions showing an innovation mindset.
- Improving, creating, proposing and developing test cases that were not covered.
- Performing routine inspections and quality tests.

Apr-22–Apr-23	**Functional Validation Engineer** INTEL · Zapopan, Jalisco

- Developing of scripts for the Optane and Data Center state-of-the-art technology products.
- Generation of execution and debug critical data files for the decision making and monitoring of the different departments.
- Responsible for updating the sharepoints and reference pages for stakeholders.
- Delivery of trainings to peers and senior engineers, to prove technical skills and receive feedback on communication skills.
- Outstanding team member proven by the quick learning and adaptability with different and new concepts and tools.
- Delivery of results exceeding the obligations, always looking for excellence.

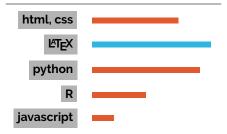|	
Nov-21–Apr-22	**Product Management Intern** FONCS · Guadalajara, Jalisco

- Definition of validation criteria for product quality based on thecnical specs, common sense, technical expertise and compliance of excellence standards.
- Bill of material ownership and integration for the New Product Introduction department.
- **Intervation Project:** Proposal and development of an automated BOM creation tool, for saving time and avoiding human error, showing innovation mindset.

Degrees

Programming

html, css	████████
LATEX	████████████████
python	██████████████
R	██████
javascript	██

Curriculum

Certificates & Grants

1708	Captain's Certificates
1710	Travel grant
1715–1716	Grant from the Pirate's Company

Languages

English	C2	mother tongue
French	C2	● ● ● ○
Spanish	C2	● ○ ○ ○
Italian	C2	● ● ● ○

Publications

1729	*How I almost got killed by Lady Swan*, Tortuga Printing Press.
1720	"Privateering for Beginners", in: *The Pragmatic Pirate* (1/1720).

Talks

Nov. 1726	"How I lost my ship (& and how to get it back)", at: *Annual Pirate's Conference* in Tortuga, Nov. 1726.

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