

Joel Picazo

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SUMMARY

Data Analyst and Software Developer with expertise in Python and C/C++, and foundational knowledge of JavaScript. Master's degree in Computer Science completed, with specialization in Optimization and Heuristic Algorithms. Skilled in solving complex problems and developing efficient, scalable software solutions. Passionate about leveraging data-driven insights and optimization techniques to create innovative solutions within collaborative and multidisciplinary environments.

EDUCATION

Center for Research and Advanced Studies (CINVESTAV)
Master of Science (MS): Computer Science and Engineering

Victoria, Tamaulipas
August 2023 - December 2025

University of Monterrey (UDEM)
Bachelor of Science: Mechatronics Engineering

Monterrey, Nuevo Leon
August 2018 – June 2022

EXPERIENCE

Global School of Israel (GSI)
Bilingual Programming and Technology Teacher

Monterrey, Nuevo León
September 2025 – Present

- Teach programming, electronics, and technology courses in English to primary and secondary school students.
- Design and deliver age-appropriate, project-based lessons that promote computational thinking, problem-solving, and digital literacy.
- Integrate bilingual instruction strategies to support students' language development alongside technical skills.
- Capable of delivering robotics workshops, introducing students to basic electronics, automation, and hands-on STEM activities.

Electoral Institute of Tamaulipas (IETAM)
Data Entry Clerk (Project-Based Contract)

Victoria, Tamaulipas
April 2024 – June 2024

- Digitized and processed critical election data under strict confidentiality and tight deadlines.
- Supported the integrity of electoral processes by validating and capturing voter and candidate information with full compliance with data standards.
- Performed quality assurance checks to minimize errors in large-scale datasets used during state elections.

CNC Soluciones S.A. de C.V.
Service Engineer

Monterrey, Nuevo Leon
November 2022 – March 2023

- Delivered high-quality technical support and engineering services for CNC (Computer Numerical Control) equipment, ensuring operational continuity and client satisfaction.
- Diagnosed software, mechanical, and electronic issues in CNC machines, implementing solutions that minimized production downtime.

SKILLS

Programming Languages

Python, C/C++, Matlab, Arduino, JavaScript, Java (basic)

Web & Data Frameworks

Flask, Pandas, NumPy, Matplotlib, React, Tailwind

Parallel & HPC Tools

Pthreads, MPI, OpenMP

Databases

SQL (Big Query)

Tools & Platforms

Docker, Git/Github, Linux, Trello, Microsoft Office, Power BI (basic)

CAD/Engineering Software

Nx Siemens, TIA Portal, ZW3D, Packet Tracer

CERTIFICATIONS

2025 Agile Project Management – Google/Coursera
2025 Data Analytics – Google/Coursera

[View Certificate](#)
In progress