Joel Picazo

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SUMMARY

Software Developer skilled in Python and C/C++, with foundational knowledge of JavaScript and strong problem-solving abilities. Currently pursuing a Master's degree in Computer Science with a focus on Optimization and Heuristic Algorithms. Passionate about building efficient software and contributing to real-world solutions in collaborative environments.

EDUCATION

Center for Research and Advanced Studies (CINVESTAV) **Victoria, Tamaulipas**
Master of Science (MS): Computer Science and Engineering *August 2023 - September 2025*

University of Monterrey (UDEM) **Monterrey, Nuevo Leon**
Bachelor of Science: Mechatronics Engineering *August 2018 – June 2022*

EXPERIENCE

Electoral Institute of Tamaulipas (IETAM) **Victoria, Tamaulipas**
Data Entry Clerk *April 2024 – June 2024*

- Accurately digitized and processed critical election data under strict confidentiality and time constraints.
- Contributed to the integrity of electoral processes by validating and capturing voter and candidate information with 100% compliance to data standards.
- Assisted in quality assurance checks to prevent errors in large amounts of data used during the state elections.

CNC Soluciones S.A. de C.V. **Monterrey, Nuevo Leon**
Service Engineer *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.

Polytechnic High School of Santa Catarina **Santa Catarina, Nuevo Leon**
Professor of Differential Calculus *January 2020 – June 2020*

- Designed and delivered comprehensive lessons on differential calculus to senior high school students, emphasizing conceptual understanding and problem-solving.
- Adapted teaching methods to meet the needs of diverse learners during a semester of social service.
- Promoted mathematical thinking and academic integrity through assessments and continuous support.

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 (basic: queries, joins, CRUD)
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	View Certificate
2025	Data Analytics – Google/Coursera	(In Progress)