Joel Picazo

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SUMMARY

Motivated and detail-oriented Software Developer with solid proficiency in Python and C/C++, complemented by foundational knowledge of JavaScript. Currently expanding hands-on experience and deepening understanding of software engineering principles, design patterns, and best practices. Passionate about tackling real-world challenges through analytical thinking and a proactive mindset. Pursuing a Master's degree in Computer Science with a concentration in Optimization, Data Science, and Heuristic Algorithms. Committed to continuous learning and contributing effectively within collaborative and innovative development teams.

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

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.

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.

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

Languages	C/C++, Python, JavaScript, Matlab, Arduino, Java (basic).
Frameworks	Flask, Pandas, NumPy, Matplotlib, React, Tailwind.
Parallel Programming / HPC Tools	Pthreads, MPI, OpenMP.
DBMS	Basic SQL (queries, joins, CRUD).
Software	Microsoft Office, Nx Siemens, ZW3D, Packet Tracer, Tia Portal, Trello.
Tools	Docker, Scikit-learn, Linux, Git, Basic Power BI (data visualization & dashboards), Agile project management (View Certificate).