Daniel Montes de Oca Fernández

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Education

Instituto Politécnico Nacional   Iztacalco, CDMX

Bachelor's Degree in Computer Engineering   GPA: 9.04/10   Graduation: January 2025

Universidad Técnica Federico Santa María   Valparaíso, Chile

Academic Exchange Program. Focused on Operations Research and Project Management   July – December 2023

Centro de Estudios Científicos y Tecnológicos No. 13 "Ricardo Flores Magón", IPN   Coyoacán, CDMX

Technical Degree in Informatics   2020

Oracle Next Education (ONE) - G8 Cohort

Part of the G8 cohort in Alura's Oracle Next Education program, focusing on full-stack development and CI/CD
fundamentals, where I am seeking to specialize in Java technologies.   January – August 2025

Work experience

Instituto Nacional de Vivienda de la Ciudad de México   March 2024 –May 2024

Database Administration Intern

- Managed and maintained SQL databases for internal housing systems.
- Documented and optimized SQL queries for user service systems.

Banco de México   May 2024 –November 2024

Information Technology on Telecommunications Direction Intern (Social Service)

- Involved in development for a system developed in Java for telecommunications contract status visualization.
- Developed contract management dashboards using Visual Basic for Applications (VBA).
- Gained hands-on experience in working within a structured environment, applying technical and analytical skills to real-world

Profile

Computer Engineer from Instituto Politécnico Nacional (IPN) with strong knowledge in software development, databases, and communication networks. Experienced in object-oriented analysis, design, and programming, gained both through academic training, social service at Banco de México and Harvard's course CS50.

Motivated and detail-oriented, with a solid foundation in Java and Python development. Experienced in process automation and web development, with a growing interest in full-stack development. Seeking for a job or intern opportunity to expand my Software Development and DevOps Skills.

Relevant courses:

- CS50X: Introduction to Computer Science & CS50P: Introduction to Python (Harvard University)
- Algorithms I (Princeton University)

Skills:

- **Programming Languages:** C, Java, Python, JavaScript, VBA
- **Web Development:** HTML, CSS, JavaScript, Flask
- **Data Structures & Algorithms:** Searching, Sorting, Recursion
- **Databases:** SQL (OracleSQL, MySQL, PostgreSQL)

Projects:

- Creating a personal portfolio using HTML, CSS, and JavaScript to showcase projects and technical skills.
- Built an Excel macro that extracts, processes, and visualizes financial data for internal reporting.
- During college, developed mobile apps for AR and VR, like a furniture visualizer.

Languages:

- English Advanced C1 (IELTS Band 7.5)
- Japanese (Beginner)
- Spanish (Native)