

Juan Daniel Muñoz Dueñas

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EDUCATION

Instituto Tecnológico y de Estudios Superiores de Monterrey

Candidate for Bachelor of Science in Computer Science and Technology

Guadalajara, Jalisco, Mexico

Aug. 2021 – June 2025(Expected)

- GPA: 96/100
- Relevant Coursework: Implementation of Computational Methods, Device Interconnection, Modeling of Engineering with Computational Mathematics, Object-Oriented Programming.

Centro de Enseñanza Técnico Industrial

Associate's in Automatic control and instrumentation

Guadalajara, Jalisco, Mexico

Aug. 2017 – June 2021

EXPERIENCE

IT On campus Intern (Soy tutor)

Instituto Tecnológico y de Estudios Superiores de Monterrey

April 2023 – Present

Guadalajara, Jalisco, Mexico

- Manage SQL database through Azure.
- Provide technical support and troubleshoot issues.
- Develop algorithms in C++ for data organization and optimization purposes.

Web developer at Aporia

Aporia education

Sep 2022 – Feb 2023

Guadalajara, Jalisco, Mexico

- Developed website updates using Vue.js, MongoDB, and JavaScript API extension to enhance functionality and user experience.
- Managed and optimized the database, ensuring data integrity and efficient retrieval/storage mechanisms.

PROJECTS

Kueski dashboard | JavaScript, MySQL, nextJS, Git

Feb 2023 – May 2023

- Developed a full-stack web application using with node serving a REST API with Next.js as the frontend
- Implemented functionality in the dashboard to ensure compliance with ARCO rights (Access, Rectification, Cancellation, and Objection).
- Developed a SQL database on PlanetScale for efficient storage and processing of data.

Chatbot Decaf | TypeScript, Vercel, Tailwind, Next.js, Solana, Git

June 2023 – June 2023

- Developed chatbot powered by OpenAI API for cryptocurrency transactions.
- Completed during a hackathon sponsored by Solana and Decaf.
- Allowed users to perform operations such as cryptocurrency transfers, checking the current account balance, and retrieving the wallet number through conversational interaction with the chatbot.

Petit Robot | Lex, Yacc, Python, Git

Feb 2023 – June 2023

- Conceptualized and designed a programming language with a user-friendly, pseudo-natural language syntax for controlling a robot within a matrix-based environment.
- Developed a compiler utilizing Lex and Yacc tools. This compiler takes the parsed program as input and generates executable instructions that can be directly executed by the robot.
- Crafted a visually immersive simulator using Python, providing a graphical representation of the robot's execution process.

EXTRACURRICULARS

Logistics Secretary

CATEC Club de Algoritmia Tec GDL

Guadalajara, Jalisco, Mexico

Feb. 2023 – Present

- Contributed to the planning and development of various club events, including organizing training sessions for ICPC competitions and hosting events like the OMIJAL.

TECHNICAL SKILLS

Languages: JavaScript, Python, C/C++, SQL, HTML/CSS, MatLab

Frameworks: React, Vue.js, Node.js.

Developer Tools: Git, MySQL, MongoDB, VS Code, Visual Studio.

Courses: Summer training camp ICPC Mexico 2022.