

# Diego Solis

(he/him)

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## Education

**B.S. Computer Science and Engineering** - Tecnológico de Monterrey, Campus Monterrey

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Expected graduation date: December 2023

Cumulative grade average: 97 / 100. Obtained a scholarship for academic talent.

Relevant coursework: Data Structures & Algorithms, Full-stack Web Development & Artificial Intelligence.

## Technical Skills

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- Programming: **C/C++, Java, Python, JavaScript, SQL, HTML, CSS, Swift & C#.**
- Tools: **NodeJS, Git, MSSQL, PostgreSQL, JWT, Express, Spring, Sequelize, Thymeleaf, Jest, AWS, Docker.**

## Professional Experience

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Software Developer, Intern (Full-Stack) — Epicor Software August 2021 – March 2022

- Partook in agile development projects in Epicor Learning Center applying **Java Spring, Thymeleaf** and **SQL**.
- Detected and repaired user interface bugs to reduce exception errors by 20% over a 3-month period.
- Increased revenue by 5% in Learning Management System by redesigning code logic and removing business constraint that prevented users to retake courses.
- Alleviated regular production errors to protect team from distractions by handling technical support tickets, which increased team productivity 30%.

## Projects

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Online Course Programming – Centro Virtual de Aprendizaje ITESM July 2022

- Developed an interactive Math course for elementary school students by using **HTML, CSS, Javascript** and **Bootstrap**, to enhance the learning process of more than 200,000 students in Mexico and Latin America.
- Collaborated with teammates and managed course development using **Git** for version control and **GitHub**.

Internal Web Forum - Wizeline June 2022

- Redesigned a web forum application for Wizeline's 1,500 employees and collaborated with a team of 5 to reduce unanswered and repeated questions which increased usability and improved user experience.
- Coordinated Back-end development and deployment on **AWS** LightSail and **GitHub** Actions for CI/CD. Produced 14 secure REST API endpoints using **NodeJS, ExpressJS, JWT** and **Sequelize**.
- Executed unit tests using **Jest**. Established relational data models for **PostgreSQL** database following software requirements and wrote API documentation.

Aqua decisions – NASA Space Apps challenge Hackathon October 2021

- Proposed a web application with a team of 5 to display rainfall trends on geographical areas suitable for rainwater catchment facilities to increase water access for 25 million people who live in rural communities.
- Built a website using **HTML, CSS, Javascript** and **Bootstrap** to increase government data access to individuals.

Training Web Application - Ternium April 2021

- Implemented with a team of 5 an on-boarding training web application for Ternium employees applying gamification using **Unity & C#** to increase knowledge growth by 27% and allow administrators to monitor the user's performance using **MSSQL, NodeJS, ExpressJS, HTML, CSS** and **Javascript**.

## Leadership

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- Participated in multiple programming competitions, including ICPC2021 and Oracle Top Teen Programmer.
- Selected as 1 of 50 participants nationwide for a three-month introductory course for Cybersecurity, by BEDU and Santander Scholarships. (<https://tinyurl.com/bedusantander>)
- Participated in HackMTY Hackathon 2022, Mexico's largest hackathon, implementing with a team of 4 a HR Management Tool for BlueYonder. (<https://tinyurl.com/hackmtydiego>)