Sergio Eduardo Chávez Villegas

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EDUCATION

Tecnológico de Monterrey	Monterrey, NL, México
Bachelor of Science in Computer Science and Technology Engineering — GPA: 95/100	*May 2024*
KTH Royal Institute of Technology	Stockholm, Sweden
Exhange program	*August 2023 - December 2023*

EXPERIENCE

Front-End Developer	April 2023 - July 2023

RT
- Front-end design, development and testing of system currently in production that administrates and analyzes the use of wastewater treatment plants for the city of Monterrey. Implemented optimizations for efficient data fetching and rendering. Utilized technologies include ReactJs, NextJs, TypeScript, Tailwind, Cypress and Jira.

Front-End Developer Volunteer	August 2022 - December 2022

La Cumbre Cotidiana
- Developed a responsive web page and improved user experience collaborating with designers using React, Javascript, HTML and CSS.

Software Engineer Intern	July 2021 – August 2021

Quarksoft
- Improved an application's scalability by deploying microservices architecture with DevOps practices, using Kubernetes to manage docker containers.

Web Development Intern	May 2021

Twitter
- Developed a prototype to propose a new feature for Twitter, co-designing user experience and functionality using HTML, CSS and JavaScript.

PROJECTS

Booking system	*Angular*	February 2023 - June 2023

- Developed and designed the front-end of a web app for booking Tecnológico de Monterrey's sports facilities. Selected by the directors as the most user-friendly and intuitive solution for further development.

RocoApp	*SwiftUI*	August 2022 - September 2022

- Designed and developed an app for cognitive assessment in older adults, enabling early detection of potential cognitive decline.

Sudoku game and solver	*Python, Pygame*	September 2020

- Developed a "Sudoku Solver" application using Python and Pygame. Implemented a backtracking algorithm with recursion to check any possible solution.

TECHNICAL SKILLS

Languages: Python (Intermediate), C++ (Intermediate), Java (Intermediate), HTML/CSS (Intermediate), JavaScript (Intermediate), TypeScript (Intermediate), SwiftUI (Beginner), Dart (Beginner), R(Beginner)

AWARDS AND LEADERSHIP

2nd place in a design competition for Tecnológico de Monterrey's mobile application for students.
Participant Hackathon HackMTY 2022
Participant International Collegiate Programming Contest 2021.
Voltec Robotics Team - Software robot vision department.

RELEVANT COURSEWORK

Foundations of Machine Learning at KTH Royal Institute of Technology
Advanced Interaction Programming at KTH Royal Institute of Technology
Programming of data structures and fundamental algorithms.