

Juan Carlos Garfias Tovar

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Education

B.S Computer Science (ITC): Instituto Tecnológico de Estudios Superiores de Monterrey Campus Monterrey (08/2019 - 06/2023)

IB Diploma: Instituto Tecnológico de Estudios Superiores de Monterrey Campus Santa Fe (08/2016 – 06/2019)

Full stack web developer bootcamp: Codeacamp (06/2017 – 10/2017)

Diploma in 3D modeling: Escena (06/2013)

Professional Experience

J&J Eventos Especiales (04-2016 - Present)

Constructed and managed databases in MySQL alongside point of sale software with Java and Python. Improved the efficiency and sales registry

Tech Soft Consulting (06/2018 - Present)

Constructed website (<https://techsoftconsulting.mx/>), performed analytics and developed multiplatform chatbots with backend connection to firebase

Programming

Programming languages: Java, Python, Ruby, C++ & JavaScript

Other languages & Technologies: Git, CSS, HTML5, MySQL, SQLite, Bash, React Native, Firebase, MATLAB

Abilities & Interests

Skills: Leadership, self-learning, teamwork, open minded, problem solving, innovative thinking and Scrum

Interests: data science, IoT, VR, AR, web development, app development, social volunteering and teaching technology

Multimedia: Adobe Premiere, Adobe Photoshop, Adobe After Effects, Sony Vegas, Maya & ZBrush

Languages: Spanish (Native), English (B2 TOEFL), French (A2 DELF), Mandarin (Basic communication skills)

Personal Projects & Activities

HackMTY Hackathon JDA Challenge (09/2019)

Won 1st place of the hackathon. Developed a machine learning algorithm to analyze database and predict future sales of a company

Ctrl Alt Tec Hack Club (06/2018 - Present)

President, taught programming, developed open source projects, website and organized technology-oriented events

Kiwi (06/2018 - 01/2019)

Developed drivers in python, hardware with Raspberry Pie, database and functions. Offered it to ITESM as PaaS for printing. Published it as open source

MeteorITO (06/2018 – 02/2019)

Lead the program, developed and open sourced the meteorological station in Arduino as an IoT device

MIT Launch X (06/2017-06/2018)

Developed and designed piezoelectric generator for the entrepreneurship team I leaded

Hackmx Hackathon App Mi Santander (04/2018)

Codeveloped a React Native app and website for Santander card automatic selector for customers in 32 hours

Kukulkan store system (07/2017-12/2017)

Developed a virtual store with users in Java and SQLite

NASA ZERO Robotics (06/2017 - 09/2017)

Developed software and solutions for satellite trajectory and rotation in C++, lead the programming team