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Education

Mohamed bin Zayed University of AI - *MSc. Machine Learning*　　Abu Dhabi | Aug 2021 - Aug 2023
- Research Focus: Power Grid Optimization, NILM Time Series Data, ML Optimization, GANs
- Courses: Optimization Machine Learning, Mathematics for AI, Reinforcement Learning

Tecnológico de Monterrey, CSF - *B.S. Computer Science*　　Mex City | Jan 2016 - *Dec 2020*

Fudan University - *International Business Exchange Program*　　Shanghai | Jan 2019 - *May 2019*

Work

JP Morgan - *Software Developer*　　Mexico City| *Feb 2021 - July 2021*

- Managed several LATAM technology projects from draft to implementation, involving dozens of teams in 8 different countries.

P&G- *Brand Management Scholar*　　Mexico City| *Feb 2020 - December 2020*
- Coordinated launch of new product line, including in-store strategy, as well as media, resulting in more than 2% of growth for the category.

Google - *Software Product Sprint Participant*　　USA| *May 2020- Aug 2020*
- Collaborated with a team of peers to design and implement a web application using Java, JavaScript, HTML, CSS and YouTube API.

JP Morgan - *System Architect Intern*　　Mexico City| *Nov 2019 - Feb 2020*
- Lead several internal audits for the most important Latam transaction systems and updated internal documentation regarding these systems.

CEMEX- *Corporate Intellectual Property & Intangible Assets Intern*　　Biel, Switzerland| *Aug 2018 - Nov 2019*
- Lead initiative to organize a hybrid event about intellectual property. Logistics included more than 5 time zones, 16 countries attending virtually and more than 60 people.
- Increased productivity by creating automated workflows for database management and email handling. As a result, time was reduced from 3 weeks to a day.

Skills

Computer Languages: (In order of proficiency) C++ (proficient), Python, C, Java, JS/TS, SQL, Matlab, Prolog.
Technologies: GCP, Azure, Git, Unix/Bash, MySQL, LaTeX, OpenGL, OpenMP, Android/SteamVR/Oculus/ Google VR SDK, PowerBI, node.js, Ionic, Angular, Jupyter, HTML, CSS.

Activities

- ICPC Latam Regional Finalist　　*2021*
- Computer Science Generation Leader 2020　　*2020*
- 2nd Place in Bus Challenge - Impactful Entrepreneurship　　*2016*

Projects

Fractal Generator　　*2017*
- The fractals were 3D and 2D, rendered using multicore technology with OpenMP.
- Designed a C++ program that created fractals using OpenGL and SFML.

Kronorum　　*2017*
- Designed and developed the Web, Android and iOS versions using Ionic v3, which includes the Google Maps API, plus QR generation and scanning.
- Implemented a server in Azure to manage the VM that contained the SQL server and the framework Ruby on rails to manage the API CRUD requests, with SSH enabled.

*References upon request