

EFREN GARIBALDI

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EDUCATION

Monterrey Institute of Technology

Mexico City, MX | 08/2018 – 12/2022

- **Degree:** B.S. Computer Science and Technology
- **Cumulative GPA:** 3.75/4.00
- **Relevant Coursework:** Object-Oriented Programming, Algorithms, Data Structures, Operating Systems, Software Design-Architecture, Artificial Intelligence, Cloud Application Development, Discrete Mathematics.

Additional Courses

- **Relevant Coursework:** CCNA Switching and Routing Essentials on Networking Academy, CCNA Introduction to Networks on Networking Academy, Social and humanist leadership on Monterrey Institute of Technology.

WORK EXPERIENCE

Oracle

Software Engineer

Remote – Guadalajara, JAL | 12/2022 – Present

- Developed patches and updates in Exadata Databases servers in order to meet new requirements requested by customers, written with Python and maintained by Linux services running through systemd.

Software Engineer Intern

Remote – Guadalajara, JAL | 04/2022 – 11/2022

- Designed RESTful backend server enabling automated tests operations in Exadata Databases which reduced time consumed in testing, by using Shell Scripts, Linux cronjobs and NoSQL Buckets in Oracle Cloud.
- Developed Python modules to run more easily operations such as update SSH keys, scale CPUs, memory, and storage, start and reboot multiple Exadata Infrastructures at once, by using the SDK provided in Oracle.

DiDi

Data Engineer Intern

Remote – Mexico City, MX | 05/2021 – 11/2021

- Automated the extraction and calculation of business metrics from database tables used for big data analysis and weekly reports required in the business intelligence team, by using Apache Hive SQL and Bash scripts.
- Assisted in creating presentations and statistical dashboards by using Tableau and Python libraries.

Banorte Bank

Cybersecurity Intern

Remote - Mexico City, MX | 01/2020 – 06/2020

- Designed and deployed a dashboard to help assess cybersecurity risks that affect the institution on a day-to-day basis, written with ReactJS and built by Electro framework to be used as a desktop application.

SOFTWARE PROJECTS

Pool App Service

2022

Cloud native web application written with ReactJS and AWS.

- Developed a cloud native web application to help customers schedule pool installations and maintenance services for their homes, using a back-end on AWS Amplify and a NoSQL database on AWS DynamoDB.
- Co-led the design of the application's workflow and architecture, and delegated tasks to three other developers, resulting in an agile workflow with efficient deployments by CI/CD pipelines.

Zeiss Routing App

2022

Web application written with ReactJS and Python.

- Worked with Zeiss Company to analyze datasets and optimize customer visit routes by a full stack web application, 4 optimization algorithms using the Google OR-Tools library and Google Maps API.

TECHNICAL SKILLS

Software (proficient): Python, JavaScript, TypeScript, ReactJS, Node.js, Express.js, SQL, Git, Bash – Linux.

Software (familiar): Java, C, C++, Swift, Shell Scripting, Oracle Cloud, AWS, Jira, Firebase, MongoDB.

LEADERSHIP, AWARDS AND ADDITIONAL ACTIVITIES

Peer Mentors Program

Mexico City, MX | 07/2019 – 12/2019

- Participated as a mentor for 3 students at Monterrey Institute of Technology to help them adapt to the student community, participate in events and achieve a grade greater than 80 in their first semester.

Programming Competitions and Hackathons

Mexico City, MX | 01/2019 – 12/2020

- Awarded with first place at Hack Monterrey Competition 2019 and participated in the regional ICPC Mexico 2020 representing the Monterrey Institute of Technology.