

EDGAR LOPEZ VALDES

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SUMMARY

Highly focused Computer Science undergraduate. Interested in research and technology. Great social skills and self-learner. Always eager to acquire knowledge and overcome difficult challenges. Fluent in Spanish (Native), English(C1) and intermediate German(B1).

EDUCATION

ITESM Mexico City Campus

Intended grad: December 2021

- Bachelor: Computer Science
- 92/100 GPA

Relevant Coursework: Object Oriented Programming, Data Structures, Data Bases, Analysis and Design of Algorithms, Computational Mathematics

Technical Skills: Python, Java, C++, SQL, HTML, css, Javascript, MATLAB, C#, Linux, Django, Apache Tomcat

WORK EXPERIENCE

INBURSA

May 2019 - August 2019

Intern

On-site internship under insurance company. Created and managed calculators for bonds and investment portfolios. Learned how insurance works and handled data regarding retirement funds for the clients. Ran tests to validate the information in the system. Generated Excel Macros to simplify the creation of reports.

- Upgraded the calculators to get monthly return rates by instrument.
- Correction of errors in the system for risk management.

PROJECTS

2019-2020

Web app(High-level prototype)

- Designed and programmed an app to keep track of nutrition plans and health improvement.
- Responsible for the creation of several pages using HTML and css.
- Handled connections to the database using Java Servlets and JSP.

2017-2019

MIT Beaver Works Summer Institute & Zero Robotics participant and TA

- Attended BWSI for the autonomous racecar modality.
- Implemented solutions using the racecar platform with Python, ROS and OpenCV.
- Prepared a level 2 autonomous vehicle for the Grand Prix.
- Served as a TA with the Mexican teams for both BWSI and Zero Robotics.

ACHIEVEMENTS

- Talent Distinction Scholarship at Tecnológico de Monterrey.
- Presented published papers CIEE 2018 & ISEC 2019 at Tecnológico de Monterrey and Princeton University.