

# Pablo Elias Ramirez Martinez

Github  
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Portfolio: <https://pablo-ramm.github.io/>

## EDUCATION

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- **Monterrey Institute of Technology and Higher Education (ITESM)** Monterrey, NL, MX  
*Bachelor of Science in Computer Science ; GPA: 3.78/4* *Graduating in December 2024.*

### Relevant Coursework:

Algorithms and Data Structures, Linear Algebra, Object-Oriented Programming, Statistic Analysis, Internet of Things, Implementation of Computational Methods, Software Construction, Device Interconnection.

## PROFESSIONAL EXPERIENCE

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- **Product QA Developer Associate Intern at Epicor Software (June 2022-Present):**  
Execute test checklists, analyze test results manual and automated using Jira and an internal developed tool for making test scripts for the software.

## PROJECTS

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- **Weat Web Application** 2021  
*Weat is web application to share some restaurants you like and let other users leave their review about them.*
  - Used cloud data base MongoDB Atlas: to store the user information, like encrypted passwords, usernames, emails and also restaurants' information.
  - I used salesforce's Heroku: to deployed and monitor my application.
  - Used Node.js: environment to administrate all the packages and dependencies while developing the application and make some tests.
  - Used cloudinary: for storing user uploaded images.
  - Used some famous Node.js packages like: express, mongoose, bcrypt, Passport for user authentication, Mapbox, multer for uploading files, express-mongo-sanitize and helmet for security.
- **E-commerce Web Application** 2022  
*I Build an E-commerce environment where users can sell and buys things between them.*
  - Design and implemented a microservice architecture: for the whole project, increasing the reliability of my application.
  - Used Stripe API and library: to handle payments system when a sell is made.
  - Using NATS streaming server: implemented an events bus.
  - Used Docker: to containerized my services and Kubernetes to manage their relation and scalability.
  - Developed using React and Express: for a fast development.
- **WTE** 2022  
*WTE is a web application that recommends places to eat near you based on the words you enter.*
  - I used Google Maps API: for taking restaurant information.
  - Knowing user location and the closest restaurants: by using Google maps API.
  - Stored other restaurants information added by users: using Google Cloud Datastore.
  - Built Java servlets: to handle the requests on the application.
  - Developed and deployed: using google cloud shell and google cloud platform.
  - Used github for creating a repository: for managing collaboration with our own develop branches commits, and pull requests since I made this project with 3 other peers from US for a Google program.

## RELEVANT EXPERIENCE

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- **ACM ICPC Mexican Grand Prix Contestant (May 2022):** Successfully solved competitive programming problems on the first classification round, ranked in the top 10 best teams in my college.
- **Google Software Product Sprint Participant (May-Aug 2022):** Successfully completed the program where I build a web application (WTE) with other 3 peers and a Google engineer as advisor. Practice interviewing and build a Portfolio
- **Finance Coordinator of the Student Society of B.S. in Data Science and Mathematics Engineering (SAIDM) (FEB - AUG 2021):** Dealing with sponsors and in charge of processing accounts and the group's money flow.

## PROGRAMMING SKILLS

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**Languages:** Intermediate: Javascript and C++. Basic: Java, Python, C#, CSS, HTML, Matlab and SQL.  
**Technologies/Frameworks:** MongoDB, PhpMyAdmin, Bootstrap, Heroku, React, Postman, Node.js, Git and Github