LUIS EDUARDO **ROBLES JIMÉNEZ**

0224969@up.edu.mx www.linkedin.com/in/LuisERJ https://github.com/LuisR-jpg https://codeforces.com/profile/robles.luis

EDUCATION

Universidad Panamericana Campus Bonaterra Graduating in 2024

Artificial Intelligence Engineering

- Average grade
  - 9.6/10
  - GPA equivalent: 3.97

CBTIS #168 High School 2016 - 2019

Mechatronics Technician

WORK EXPERIENCE

Google SWE Intern May 2022 - August 2022

Record/Replay Functionality using Golang

- Ease mobile testing for the EngProd pillar team in Google by:
  - Research and write a design document to define implementation details of the project.
  - Develop logging of remote procedure calls and store it in Google's main repository.
  - Implement request matching to achieve the replaying part of the executed tests.

Kindynos January 2022 - Present

Software company

- Provide support to the API in charge of selling products.
- Design and program new features to the front-end of the online store.
- Analyze, debug and implement queries for several PostgreSQL databases.

Universidad Panamericana August 2020 - December 2021

IT Intern

- Provide help to solve problems with accounts and services.
- Help teachers to correctly use their material (software and hardware solutions).
- Web development for school projects.

MAJOR PROJECTS

CPreter December 2020

C++ interpreter to increase coding speed. Focused on competitive programming

- Use several and advanced data structures.
- Investigate and implement shunting-yard algorithm for expression evaluation.
- Need understanding of file management and use of arguments to execute.
- Document the project

Algorithmics 2019 - Present

Internal contest of algorithmics in college.

- **OMI Coach.** Teach algorithmics to students of the Mexican Olympiad of Informatics.
- Programming in C++ to solve problems.
- Study of well-known computational algorithms and data structures.

Chess Clock 2019

https://github.com/LuisR-jpg/ChessClock

Couldn't afford one, so I made mine.

- Implement a chess clock suitable for tournaments by adding incremental mode.
- Control eight independent displays by searching, researching and understanding the MAX7221 component.
- Programmed arduino to manage every periferic.

SKILLS

PROGRAMMING LANGUAGES

- C++: 20 months
- Python: 15 months
- C: 12 months
- Javascript: 9 months
- C#: 6 months
- Java: 5 months
- Go: 3 months

TECHNOLOGIES

- Processing
- PostgreSQL
- Github
- Neovim
- Unity
- Jupyter Notebook

ONLINE COURSES

- Vim / Neovim
- Git / GitHub
- Xamarin Forms

AWARDS AND EVENTS

- International Collegiate Programming Contest MX 2020
- 4th place team at Smart Cities Hackathon
- TOEFL Certification