

Luis Alejandro Rodríguez González

Technology as a means for human growth

Zapopan, JAL, Mexico
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 linkedin.com/in/alexrody
 github.com/alexrody

Experience

Meta & Major League Hacking (*remote*)

Production Engineering Fellow

05/22 - present

**Instituto Tecnológico y de Estudios Superiores
de Monterrey**, Guadalajara, JAL

AI Research Assistant (*campus intern*)

09/21 - 03/22

Automated data cleaning and text mining in Python. Researched and implemented NLP algorithms, documented insights for analysis, publishing and use by the Jalisco state govt.

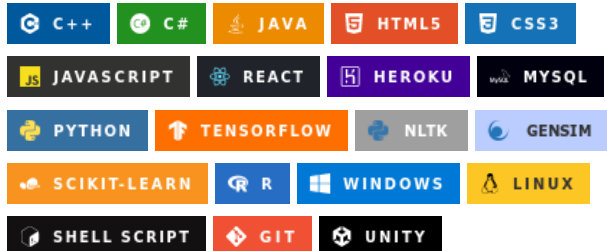
Math and Physics Tutor, Guadalajara, JAL (*freelance*)

04/21 - 03/22

Middle, high school lessons on algebra and physics.

Skills

Technologies:



- Teamwork
- Self learning
- Mathematical thinking
- Efficient time management

Languages:

Spanish - native
English - bilingual
French - fluent

Education

**Instituto Tecnológico y de Estudios Superiores
de Monterrey**, Guadalajara, JAL

B.S. in Computer Science and Technology

(GPA: 97/100)

Expected graduation in 06/24

Coursework in Mechatronics Engr. (08/19 - 06/20)

Key coursework: data structures in C++, internet of things in Arduino, statistics, software req. analysis, agile development

◆ **Community Leader and Peer Mentor**

08/20 - present

Event organization, freshmen guidance, social media management and coordination of children's home after school activities

Projects

Ilikia: Geriatric Assessments

Web app for Casa del Abuelo elderly care home in Zapopan and SWE course

- Built tool to apply Mini-Mental State Examinations
- *React, Node, Express, MySQL* stack

github.com/alexrody/ilikia

Dog and Cat Image Classifier

Predictor for Computational Tools course

- Trained convolutional neural network in *Python tf.keras* to tell whether a picture contains a dog or a cat

github.com/alexrody/dog-cat-classifier

Monopoly Strategist

- Modeled probability of landing on all tiles after virtually infinite turns in *Python numpy* with Markov chain

github.com/alexrody/monopoly-strategist

Sudoku Solver

- Implemented algorithm in *Python numpy* to solve a board

github.com/alexrody/sudoku-solver

Research poster on renewable energy

8th Expo Ingenierías Fair

- Analyzed data on Mexican energy
- Developed proposal to surpass green energy goal set by the 2016 federal Transition Strategy
- Presented at the 8th Expo Ingenierías fair at ITESM Guadalajara in 2019

alexrody.com/poster.jpg (Spanish)

Certifications

The Data Scientist's Toolbox

Johns Hopkins University & Coursera - 03/21

Machine Learning Onramp

MathWorks - 12/20