Javier E. Pereyra Zamudio

GitHub| LinkedIn| Email| Portfolio Website

EDUCATION

NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO

Bachelor of Science in Mathematics
August 2016 | Mexico City

CENTER FOR RESEARCH AND ADVANCED STUDIES OF THE NATIONAL POLYTECHNIC INSTITUTE

Master of Science in Automatic Control
August 2019 | Mexico City
Department of Automatic Control

LINKS

Portfolio:// **eduardopereyra.herokuapp.com**
Github:// **Edd17369**
LinkedIn:// **Javier E. Pereyra Zamudio**
Codewars:// **pez17369**

SKILLS

PROGRAMMING

Proficient
Python3 • Django • Matlab & Simulink • LaTeX
Familiar:
HTML5 • PostgreSQL • CSS3

QUALITIES

Versatile • Imaginative • Enthusiastic

WORK EXPERIENCE

SCIENCE AND HUMANITIES COLLEGE

ACADEMIC ADVISING
Mar 2015 - Oct 2015 | Mexico City, DF

- Academic advice to students in subjects in the area of mathematics.
- Collaboration in intensive leveling courses.
- Design and preparation of didactic material for subjects in the area of mathematics.
- Teacher support.

PROGRAMMING PROJECTS

BUG TRACKER SYSTEM | WEBSITE, GITHUB

Winter 2020 | Mexico City, DF

- Django website built to register projects and track bugs.
- Postgres database served from AWS RDS.
- File storage with AWS S3.
- Built with Bootstrap.
- Deployed through Heroku.

SYSTEM OF LINEAR EQUATIONS SOLVER | WEBSITE, GITHUB

Spring 2021 | Mexico City, DF

- Flask website to calculate the solution of systems of linear equations of dimension NxN with real coefficients.
- The solver algorithm is an implementation of the Gauss-Jordan elimination method.
- Deployed through Heroku.

SKYSCRAPER PUZZLE | GITHUB

Spring 2021 | Mexico City, DF

- An application that generate and solve 6x6 skyscrapers puzzles with unique solution.
- Application of PySimpleGui module.

LINKEDIN WEBSCRAPER | GITHUB

Spring 2021 | Mexico City, DF

- A Python class that connects to Linkedin.com and search for job offers.
- Application of Selenium module.

PUBLICATIONS

[1] J. P. Zamudio, S. Cuzange, and F. Mazenc. Constructive backstepping for a class of delay systems based on functionals of complete type. In *IFAC World Congress*, 2020.