

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:// [Website](#)
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 $N \times N$ 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 6×6 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.