

Education

The Odin Project

Puebla, Puebla

03 / 2021 — Current

- Pursuing to complete a Full Stack curriculum.

Tecnológico de Monterrey

Puebla, Puebla

08 / 2015 — 06 / 2020

- Computer Science and Technology Engineering.

Projects

Google Homepage

HTML, CSS, Flexbox

04 / 2021

- Recreated the google homepage from scratch without external libraries.
- Implemented Flexbox layouts to support ample screen sizes and orientations.
- Included normalize css to further improve design resemblance between browsers.

Sudoku Solver

Python, Pytest

01 / 2021

- Designed an object-oriented, test-driven backtracking sudoku solving algorithm.
- Created 4 single-purpose modules, each with a test module dictating the use cases to comply with.
- Later optimized the solving algorithm to execute a maximum of 1.4 seconds, down from 3.7.

Finance & Stocks

Python, Flask, SQLite

04 / 2020

- Developed a web application to simulate the purchasing and selling of market shares with real prices.
- Designed a SQLite database of 4 tables including, users, shares per users, purchases and sales.
- Stored operations on a database using prices obtained from the IEX Cloud API.

Basic Compiler

C, Flex, Bison

11 / 2019

- Implemented a compiler that recognizes left-derived grammars with 3 source files and 3 headers.
- Designed a simplified syntax tree structure to store instructions to follow in order.
- Stored variables and functions in a hash table structure symbol table.

Kubeet Web

Typescript, Angular, Firebase

05 / 2018

- Created 13 Angular components to present a single page application similar to Udemy.
- Implemented a catalog view of self-study material, consisting of video and text lessons.
- Stored necessary data to and from Firebase utilizando el modelo de controlador.

Experience

Online Tutor Intern

— Prep@Net — in Puebla, Puebla

08 / 2018 — 11 / 2018

- Instructed 12 students in the use of computational tools.
- Designed a weekly agenda in photoshop with their responsibilities for the following week.
- Assessed and graded their homework, in addition to giving advice at the times scheduled by the student.

IT Intern

— ITESM CCV — in Fortin, Veracruz

01 / 2016 — 04 / 2016

- Gave maintenance and updating of computer equipment.
- Cleaned temporary files and installed productivity and time-management applications.

Competences

Attitude • Positive, Proactive, Internal Locus of Control, Player-Learner, Taste for learning.

Soft Skills • Productive, Adaptable, Integral, Frank, Native Spanish.

Methodology • Root cause analysis, Test-driven development, Self-documenting code.

Technologies • Linux (Fedora 34), Git, LaTeX.

Languages • Java, Python, C, MySQL, Javascript, HTML, CSS.