

Education

The Odin Project Puebla, Puebla

03 / 2021 — Current

- Currently studying an updated Full Stack curriculum.

Tecnologico de Monterrey Puebla, Puebla

08 / 2015 — 06 / 2020

- Graduated in B.S. Computer Science and Technology.

Projects

Sudoku Solver Python, Pytest

01 / 2021

- Object-oriented, test-driven implementation of the Backtracking Sudoku Solving Algorithm.
- Design of 4 single-purpose modules, each with a test module which dictates the use cases it has to comply with.
- Optimized the solving algorithm to execute a maximum of 1.4 seconds, down from 3.7 seconds.

Finance & Stocks Python, Flask, SQLite

04 / 2020

- Development of a web application to simulate the purchasing and selling of market shares with real prices.
- Operations done using prices obtained from the IEX Cloud API and stored on a SQLite database.
- Working implementation of users, shares per users, and purchase history tables in SQL.

Basic Compiler C, Flex, Bison

11 / 2019

- Implementation of a compiler that recognizes left-derived grammars and executes them.
- Usage of a simplified syntax tree structure to store instructions to follow in order.
- Variables and functions stored in a symbol table using a hash table.

Kubeet Web Typescript, Angular 7, Firebase

05 / 2018

- Creation of 13 Angular components to present a single page application similar to Udemy.
- Implementation of a catalog view of self-study material, consisting of video and text lessons.
- Storage and retrieval of data using an external source, Firebase.

Crafter Mobile Swift, Xcode

05 / 2018

- Creation of 13 Swift components managing a bus monitoring prototype app for the iOS platform.
- Implementation of 2 responsive tables and 5 interfaces accessible from the application's home menu.

Experience

Online Tutor Intern Prep@Net in Puebla, Puebla

08 / 2018 — 11 / 2018

- Follow-up of 12 students during their studies, supporting them in learning Word and Excel.
- Each monday they were given a weekly agenda to learn their responsibilities for the following week.
- Assesment of their homework every friday, in addition to giving advice at the times scheduled by the student.

IT Intern ITESM CCV in Fortin, Veracruz

01 / 2016 — 04 / 2016

- Maintenance of at least 6 Windows work computers per week, cleaning temporary files.
- Installation of office applications such as Microsoft Office, Adobe Library, and other time-management apps.

Competences

Soft Skills Responsible, Adaptable, Transparent, Autodidactic, Early bird (4am), Player-Learner.

Languages Java, Python, MySQL, MongoDB, SQLite, Javascript, HTML, CSS.

Technologies

**Relevant
Studies**