

## Education

### The Odin Project

Puebla, Puebla

03 / 2021 — Current

- Currently studying an updated Full Stack curriculum.

### Tecnológico de Monterrey

Puebla, Puebla

08 / 2015 — 06 / 2020

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

## Projects

### Responsive Portfolio



HTML, CSS, Flexbox, Grid

03 / 2021

- Creation of 5 responsive web pages using only HTML and CSS.
- Implementation of Flexbox and Grid layouts to support a variable quantity of elements on the page.
- Usage of established patterns to grant accessibility to the page for users with reading assistants.

### 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 dictating the use cases 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, 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.

## 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 more than 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** Organized Responsible, Adaptable, Autodidactic, Early bird (4am), Player—Learner.

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

**Technologies** Windows 10, Fedora Linux, Git, Bash, LaTeX , Microsoft Office, Google Suite.

**Relevant Studies** Software engineering, Software design and architecture, Business solution development, Analysis and design of algorithms, Data structures, Computational mathematics.