

## Education

### The Odin Project

Puebla, Puebla

03 / 2021 — Current

- Pursuing to complete a modern Full Stack curriculum.

### Tecnológico de Monterrey

Puebla, Puebla

08 / 2015 — 06 / 2020

- Graduated as a Computer Science and Technology Engineer.

## 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 during their studies, supporting them in learning Word and Excel.
- 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 to more than 6 Windows work computers per week.
- Cleaned temporary files and installed productivity and time-management applications.

## Competences

**Attitude** • Positive, Internal Locus of Control, Player Mindset, Learner Mindset.

**Soft Skills** • Early bird (4am), Proactive, Adaptable, Autodidactic, Transparent, Native Spanish.

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

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

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