

## Education

**The Odin Project** Puebla, Puebla

03 / 2021 — Current

- Currently practicing with an updated Full Stack curriculum.

**Tecnológico de Monterrey** Puebla, Puebla

08 / 2015 — 06 / 2020

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

## Projects

**Google Homepage**   HTML, CSS, Flexbox

04 / 2021

- Recreation of the google homepage using a single HTML and CSS file.
- Implementation of the Flexbox layout to support ample screen sizes and layouts.
- Usage of normalize css to further improve design similarity between browsers.

**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 4 tables for users, shares per users, purchases and sales in SQL.

**Basic Compiler**  C, Flex, Bison

11 / 2019

- Implementation of a compiler that recognizes left-derived grammars with 3 modules and 3 headers.
- 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** Proactive, Adaptable, Autodidactic, Transparent, Native Spanish  
Positive Attitude, Internal Locus of Control, Player and Learner Mindsets, Early bird (4am).

**Software & Languages** Java, Python, C, MySQL, SQLite, Javascript, HTML, CSS,  
Linux, Git, LaTeX .

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