

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 Native Spanish, Proactive, Organized, Responsible, Autodidactic, Transparent, Positive Attitude, Internal Locus of Control, Player—Learner, Daily schedule, Early bird (4am).

Languages Java, Python, C, 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.