MAURICIO DURÁN PADILLA

Guadalajara, México

PROFILE INFORMATION

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WORK EXPERIENCE

September 2019 - Present

Web Development Intern at Ammon & Rizos.

- Modeled and Designed Web App to assist inside sales employees.
- Developed site using HTML, CSS, JS and NodeJs.
- Modernized and optimized front-end using React and Redux.

EDUCATION

Instituto Tecnológico y de Estudios Superiores de Occidente (ITESO)

August 2017 - Present

- Computer Systems Engineering.
- GPA: 9.8/10.
- Expected Graduation Date: December 2022.

Yonsei University, South Korea

Spring 2019

- Exchange student at College of Engineering.
- Relevant Courses: Artificial Intelligence, Data Mining, Formal Languages and Theory of Computation.

HONORS AND ACHIEVEMENTS

- Recipient of Excellence Scholarship for Academic Merit, ITESO. (2017)
- First Place at University's Algorithms I Course programming competition.

PROJECTS

Mancala Board Game

AI project, individually written in Python.

- Built intelligent agent to play user on top the existing game engine.
- Used Object Oriented Design to implement Tree and Search Functions.
- Implemented Montecarlo Tree Search algorithm to create an agent with a winning rate of 85%.

Handwritten Vowel Recognition

Object Oriented Programming project, written in Java (2 member team).

- Created Java module for the creation and use of dynamic convolutional neural networks.
- Developed upper and lowercase handwritten vowel recognition program as a use case for the module.

RateMyProfessor

Web Development project, written in HTML, CSS, JS and Nodejs (3 member team).

- Created website where students can rate professors and find the most popular professors for a given course.
- Developed REST API with CRUD operations.

TECHNICAL SKILLS

Programming Languages

- Java: 3 years.
- JavaScript: 3 years.
- C: 2 years.
- Python: 1 year.

Web Development Tools & Frameworks

- HTML, CSS: 3 years.
- Bootstrap: 1.5 years.
- Nodejs: 1.5 years.
- React, Redux: 1 year.

Databases

- MySql: 2 years.
- PL/SQL: 1 year.
- MongoDB: 1 year.
- Redis: 4 months.