

Oscar Barbosa Aquino

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PROGRAMMING LANGUAGES:

Proficient: Java, C

Intermediate: C++, C#

Elementary: PHP, JS, Python3

TECHNOLOGIES:

Linux, HTML, CSS, MYSQL, Angular, MongoDB, PostgreSQL

Unity3D, Docker, Git, Laravel, XCODE, Android Studio

SHORT TERM TARGET: Perform internships in the area of software development, with emphasis in machine learning an AI.

EDUCATION

- Instituto Tecnológico y de Estudios Superiores de Monterrey, B.S. Computer Science and Technology.
(August 2017 – Present Day), GPA: 4.0 **Graduating in December 2021**

MAJOR PROJECTS

- Second Place in Hack Puebla (36-hour, Hackathon) with an intelligent system for self-regulating traffic lights simulated in Unity3D using VR technology. (Ve-Soft) (2019)
<https://github.com/AntonioDiF/HackPuebla>
- Toshio Project: Development of a grader (web application) for programming courses as a school platform for C, Java, C++ and Python. Using Angular, Docker and Laravel, with DDB (PostgreSQL and MongoDB). (2018 - present) <https://github.com/Darfeikus/Toshio>
- ORCA Project: Development of an IOS/Android application and a web platform in Angular with an AI algorithm to help a local community manage their inventory and harvests to improve profits. (2019)
- Development of a web platform for competitive programming competitions as part of a school project. Later integrated with Toshio Project for a full programming platform (2019 – present)
- Development of an inventory platform with AVL tree integration for local businesses in C. (2018)
https://github.com/Darfeikus/Tienda_SAIMT
- Memorama Project: Programming exercise to show some memory management algorithms (FIFO, LRU) simulating RAM and VRAM in Java. <https://github.com/Darfeikus/Memorama>
- Maze Project: Maze generator algorithm, and implementation of different path algorithms in C (2020)
- Participation in the ICPC competitions and ITESM programming competitions (2017,2018,2019,2020)
- Head of programming during the FIRST ROBOTICS COMPETITION HOUSTON World Championship. (2017)

COURSES AND CONGRESSES

- Hackathon 2019 Puebla
- Organizer of Git course for beginners (ITESM, 2020)
- Organizer of the competitive programming course for my university in preparation for ICPC competitions
- Unity Course (Udemy,2016)
- Introduction to Networks Course (CISCO, 2017,2018)
- Competitive Programming Course (ITESM, 2017, 2018, 2019)
- Ability Summit 2020 Microsoft

WORK EXPERIENCE

- Worked in a start-up (ORCA) in the development of a web/mobile app for a local community (2019)
- Work in the area of customer service at the company Teleperformance (Summer, 2018) Puebla, Mexico