https://rbrgs.com/oscar
https://www.linkedin.com/in/oscar-arreola04/

OSCAR ARREOLA ALVARADO

https://github.com/Oscar-gg

Education

Monterrey, N.L.	[University] Tecnológico de Monterrey	August 2022 - May 2026

- Bachelor of Science in Computer Science and Technology.
- Academic Talent Scholarship of **80%**
- *Current related courses:* Science and Engineering Modeling, Computational Modeling of Movement, Object-oriented Computational Thinking, Computational Modeling Applying Conservation Laws

Monterrey, N.L.	[High School] PrepaTec Valle Alto	August 2019 - May 2022

- **Valedictorian** of PrepaTec Valle Alto
- Honors: Honorable Mention of Excellence
- IB Diploma Programme score: **41/45**; IB Computer Science SL score: **7/7**

Projects

Atemoc [4 person project] (https://github.com/Oscar-gg/Atemoc)   **September 2022**

- Developed a **mobile application** for HackMty 2022 (Mexico's largest student Hackathon).
- The app compares the user's water usage to established benchmarks and displays **tips** for how to **save water** for each of the main areas of water consumption.
- Used **kivy**, a versatile **python framework** for developing applications in multiple platforms.
- In charge of the **backend**, I learned how to join ideas and integrate code effectively.

To-Do list mobile app [Personal project] (https://github.com/Oscar-gg/TaskRegister)   **May 2022**

- Designed and implemented a **mobile app** in **Java** that allows users to record, visualize, sort, and filter tasks. Used **object-oriented programming** and modularization for the implementation.
- Used **RecyclerView** to allow users to personalize the displaying of tasks.
- After finishing the **software development life cycle**, the app was delivered to a **final client**.

CLI app for managing URLs [Personal project] (https://github.com/Oscar-gg/save_links)   **July 2022**

- Designed a **python** app that collects and saves the user's links in text and shelve files.
- The app allows users to delete, visualize, and open previously saved links on the browser.
- Using **pyautogui**, the program interacts with the web browser by sending virtual keystrokes to select and copy links, maximize windows, and close tabs.
- Used app for personal use to efficiently save significant amounts of related links.

Awards and Additional Experience

- Member of RoBorregos (Robotics team at Tecnológico de Monterrey) *October 2022*
- **17° International Science Competition** [Hosted by Tecnológico de Monterrey]: 1st place in Computer Science section. *March 2022*
- Member of Algorithmics Club MTY (Competitive Programming club) *August 2022*
- Completed the course "Automate the Boring Stuff with Python Programming" *August 2021*

Languages and Technologies

Programming languages:

Java	3 years	Python	1 year	C++	5 months	JavaScript	1 month

Technologies:

Android Studio	1 year	Eclipse	2 years	Git	6 months
AutoHotKey	2 months	Visual Studio Code	1 year	Github	6 months