

# Oscar Alexis García García

COMPUTER ENGINEER

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## Summary

Oscar Alexis García García is a Computer Engineering graduate with a passion for solving algorithmic, technological, and mathematical problems. He is currently interested in improving his technological skills and collaborating on innovative projects in Generative AI, Cloud computing, and Microservices. He has experience in Competitive Programming, making use of C and C++. He also possesses knowledge of a variety of programming languages such as Java, JavaScript, PHP, and Python, as well as proficiency in technologies including HTML, CSS, SVG, SQL, OpenGL, and PyTorch.

## Education

### Universidad Autónoma Metropolitana

COMPUTER ENGINEERING

Azcapotzalco, CDMX

Sept. 2018 - Feb. 2024

## Recent projects

### Social service (under the direction of Dr. Rodrigo Alexander Castro Campos), UAM Azcapotzalco

Azcapotzalco, Mexico

WEB SYSTEM FOR THE MANAGEMENT OF THE ACADEMIC TUTORING PROGRAM OF THE DCBI. (*front-end DEVELOPER*)

Nov. 2022 - Aug. 2023

- Development of the graphical interface in HTML and CSS.
- Development of the *front-end* functionality using Javascript.
- Creation of CSS styles.
- Responsive design for mobile devices.

### Terminal project (under the direction of Dr. Rodrigo Alexander Castro Campos), UAM-Azcapotzalco

Azcapotzalco, Mexico

GENERATION AND SOLVING OF LEVELS OF A PLATFORM VIDEO GAME USING NEURAL NETWORKS.

Nov. 2023 - Feb. 2024

- Development of a neural network that generates level descriptions of a platform game using PyTorch and C++.
- Development of a neural network that solves levels of such game.
- Development of the platform game visualization using HTML, CSS, Javascript, and WebAssembly.

## Contests

### NATIONAL

2024	<b>Contestant (1st place)</b> , UAM Azcapotzalco Programming Contest	Mexico, Mexico
2023	<b>National finalist (21st place)</b> , International Collegiate Programming Contest (ICPC)	GDL, Mexico
2022	<b>Contestant (7th place)</b> , UAM Azcapotzalco Programming Contest	Mexico, Mexico
2022	<b>Contestant (honorable mention)</b> , International Collegiate Programming Contest (ICPC)	Mexico, Mexico
2021	<b>Contestant (14th place)</b> , ANIEI National Programming Contest	Mexico, Mexico
2021	<b>National finalist (41st place)</b> , International Collegiate Programming Contest (ICPC)	Mexico, Mexico

## Skills

<b>Programming Languages</b>	C/C++ (3 years), Java (2 years), Javascript (1 year), PHP (1 year), Python (6 months)
<b>Technologies</b>	HTML (2 years), CSS (2 years), SVG (6 months), SQL (1 year), OpenGL (6 months), PyTorch (3 months)
<b>Methodologies</b>	Scrum Fundamentals
<b>Languages</b>	Spanish (native), English (intermediate)

## Extracurricular activities

### Algorithms Club at UAM-Azcapotzalco

Azcapotzalco

MEMBER

Apr. 2021 - Feb. 2024

- Attended training sessions with the aim of representing my university at several programming contests.