

## Curriculum vitae

## CONTACT INFORMATION

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## SKILLS



## LANGUAGES

Spanish
Mother tongue

English
Intermediate

## EDUCATION

Degree in mathematics
Universidad Autónoma Metropolitana (UAM)
My thesis is about coloring of circulant graphs

Master's degree in Sciences with Specialization in Basic Mathematics
Centro de Investigación en Matemáticas, A.C. (CIMAT)
My thesis is about the classifications of 2-stratifolds

PhD in Sciences with Specialization in Basic Mathematics

My thesis is about the generalization of the category of quotient modules and is called Quotient Modules on Continuity Filters. It is the creation of a new line of research in abstract algebra

## PROFESSIONAL COURSES

Machine Learning Foundations: A Case Study Approach

## WORK EXPERIENCES

Technician in Electronic Security Systems
MaxTracker
Installation and programming assistant for CCTV and Access Control systems.

## Part-time type " A " teacher

Department of Mathematics of the Universidad Autónoma Metropolitana
My job was to teach mathematics to university students.

## Assistant teacher

Centro de Investigación en Matemáticas, A.C.
My job was to teach mathematics to master students.

## Part-time type "B" teacher

Department of Mathematics of the Universidad Autónoma Metropolitana
My job was to teach mathematics to university students. Courses like Algebra and linear algebra

UAM curricular teacher
Department of Mathematics
I am a research professor in the area of non-commutative algebra and category theory.

UTEL teacher (for fees)
July 2022 - present
UTEL México
My job is to give math classes to engineering students. Courses like Discrete Mathematics, Modern Algebra I

UnADM teacher (for fees)
July 2023 - present
Division of Exact Sciences, Engineering and Technology
My job is to give math classes to math students. Courses like Discrete Mathematics, Modern Algebra I

## SCHOLARSHIPS AND AWARDS

## scholarship PRONABES

Math student
I obtained and kept this scholarship for being a regular student

UAM excellence scholarship
Math student
I got this scholarship for having a GPA above 9.5 in my third year of college.

Scholarship 100\% for Math summer school
Centro de Investigación en Matemáticas
I got this scholarship for having a good academic record.

Scholarship 100\% for XVI Math summer school
Centro de Ciencias Matemáticas
I got this scholarship for having a good academic record.

Universidad de Colima
I got this scholarship for having a good academic record.


CONACYT
I still have this scholarship for my good performance as a doctoral student.

## PROJECTS AND RESEARCH

| QR implementation | November 2022 |
| :--- | :--- |
| first project |  |
| Implement the QR from scratch |  |

Continuity filters and modules of quotients
September 2023
First paper
It was submitted for review in January 2023 and it was accepted on September 06, 2023 for publication in Journal of Algebra and its Applications.

