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Undergraduate Research Program

Project Name	A web system for patterns mining and visualization.
Campus & Location in Mexico	Estado de México
Faculty	Engineering and Sciences
Research Area	Machine Learning
Research Responsible	Dr. Miguel Angel Medina
Description of the Project	The student will develop a web system that computes patterns and data visualization from a dataset provided by the user. The system will allow several users to connect to the system concurrently; also, it will store several analyses per user.
Training Provided	I will train the student on Explainable Machine Learning.

Offered during:

SUMMER

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WINTER

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SEMESTER

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Student

Tasks/Responsibilities	"@ Front end development. -@ Backend development. -@ Message queues development.
Required Language Proficiency	Fluent English
Required Skills and Abilities	This is an advanced web system that combines web development with a Machine Learning application. The student requires solid knowledge on responsive web technologies (e.g., Bootstrap, Flutter for web), databases (e.g., Firebase), and message queues (e.g., RabbitMQ).
Other Documents	2) Accumulative grade point average (GPA) 2.5 3) Official Transcript 4) 2 letters of recommendation of faculty members 5) Resume 6) Letter of intention explaining the reason why you would like to participate in the research program