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Undergraduate Research Program

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| 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 WINTER SEMESTER

Student

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| 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 |