Javier **Peralta**

SOFTWARE DEVELOPER · MACHINE LEARNING ENTHUSIAST

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About Me

M.S. in Computer Science student at **CIMAT** specializing in machine learning with traditional methods and deep learning. 2+ years of work experience as a Java Developer at a startup and 2 years of experience as a Web Developer at **Oracle MDC** (Mexico Development Center). Eager to apply my current knowledge and learn new technologies and methods for machine learning related tasks.

Experience

Oracle Mexico Development Center
Guadalajara, México

SOFTWARE DEVELOPER 1
Jul. 2015 - Apr. 2017

- Web Developer for Oracle Management Cloud Enterprise Manager.
- Create and test new data visualization options for Target Analytics

Quadev (Startup)
Cuernavaca, México

SOFTWARE DEVELOPER
Aug. 2013 - Jun. 2015

- Java EE Developer creating Rich Internet Applications using Flex
- Worked on an application for SAGARPA (Mexican government dependency)
- Started development on an application for STSP (Mexican government dependency)
- Began work on a construction management software for Akarci

Education

CIMAT (Centro de Investigaciones Matemáticas)
Guanajuato, México

M.S. IN COMPUTER SCIENCE
Aug. 2017 - Current

- Got a Scholarship though CONACYT

ITESM (Instituto Tecnológico de Monterrey)
Cuernavaca, México

B.S. IN COMPUTER SCIENCE AND ENGINEERING
Aug. 2009 - Dec. 2013

- Got a Scholarship

Master's Thesis

The work in my thesis is focused in finding **shape descriptors** for radio-galaxy images. This is done through classical image analysis techniques as well as convolutional neural networks. In the thesis the state of the art for shape analysis and image analysis is explored with the goal of finding methods that work best for the task at hand, as well as methods that we can modify and adapt for the extraction of **rotation invariant or equivariant** descriptors.

Skills

PROGRAMMING LANGUAGES

Python, C, C++, JavaScript, Java

OTHERS

SQL, TensorFlow, Keras, Numpy, Pandas, Jupyter