Javier A. **Estrada-Santos**

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OBJECTIVE

Pursue the degree of Master of Science in Petroleum Engineering to enhance my current research of fluid flow and transport in porous media to contribute to a better understanding of enhanced oil recovery processes.

EDUCATION

Bachelor of Petroleum Engineering
Universidad Nacional Autónoma de México, Mexico City
GPA 9/10   Expected Graduation – March 2016
Gustavo Baz Prada Award for the Outstanding Social Service

High School
Instituto de Humanidades y Ciencias, Mexico City
GPA 9/10   June 2009

EXPERIENCE

Mexican Petroleum Institute, Additional Recovery Management, Mexico City (2014-Current)
Thesis Student

Developing my undergraduate thesis with the title: "Adsorption phenomenon modeling in porous systems for flow and transport problems at laboratory controlled conditions" directed by Dr. Martín A. Díaz-Viera.

The goal of this work is to provide general guidelines for the use of popular adsorption models (equilibrium and rate-controlled), to assess the impact of multicomponent adsorption in low salinity flooding laboratory experiments, and to simulate this phenomenon in flow through discrete fractures.

CONAFE State of Mexico, San Vicente Community (2013)
Community Teacher and Project Developer

Helped 10 children in risk of dropping out of primary school to continue their studies by implementing a summer elementary school regularization course, which proved conclusive results; strong bases and great averages in every student (measured by a standardized exam applied before and after the program).

As a social service, I detected that the community where the school was based had important water scarcity problems, so I developed the theoretical framework of a hydraulic distribution system tailored to the community needs.

SKILLS

Computer
AutoCAD, C/C++, COMSOL Multiphysics, FORTRAN, LaTeX, Linux, Maple, Matlab, Microsoft Office, PEtex Prosper, Petrel, Python, VisualBasic

Language
Fluent in Spanish, Fluent in English, Conversant in French, Beginner in Hindi

COURSES

Computational Technology Program (PROTECO) (January 2016): C++ Intermediate Course

Institut Français du Pétrol (May 2015) - MOOC: Oil & Gas: From Exploration to Distribution

Shell (April 2013) - Leadership, Talent and Energy

BakerHughes (October 2013) - Advanced Drill Bit Course

Schlumberger (May 2013) - Petrel

Commision Scolaire de Montréal (November 2012) - Cour de Francisation

CONAFE (June 2013) - Development of Sustainable Community Projects

Weatherford Poza Rica (May 2011) - Well Logging Field Practice

TECH EVENTS

Mexican Petroleum Congress (June 2016)	Presenter
AIPM Technical Conferences (November 2015)	Presenter
Mexican Petroleum Congress (June 2014)	Student Staff AIPM
Mexican Petroleum Congress (June 2013)	Student Staff Pemex

INTERESTS

Petroleum Engineering, Reservoir Engineering, Reservoir Simulation

ASSOCIATIONS

Spatial Stochastic Modeling Group, Interpore, SPE Student Chapter UNAM, Society of Petroleum Engineering Students, UNAM's Mountaineering Association, UNAM's Boxing Association

WORLD EXPERIENCES