Fernando Gómez Herrera

Computer Science Engineer
BSc. & MSc. student in CS/Machine Learning

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PROFILE

I am a mexican *Software Engineer*, currently studying a *MSc.* in *Computer Science and Machine Learning*, with wide experience in web technologies and deep learning recently. I do also work as a freelance and because of that I'm learning new stuff everyday. I love to practice yoga or take long walks. I'm a bookworm, geek, anime fan and tech entrepreneur.

Languages: english (advanced), japanese (basic).

WORK, PROJECTS & HIGHLIGHTS

07. 2018   **React.js Intermediate Level Certification** by Wizeline Academy

10. 2017   **16th Mexican International Conference on Artificial Intelligence**
Article and presentation of: *A Quartile-Based Hyper-Heuristic for Solving the 0/1 Knapsack Problem.*

06. 2017   **Stevens Institute of Technology** New York Area | *Summer Research Internship*
Application of visualization techniques to display user behavior patterns in web browsing.

07. 2016   **Hewlett Packard Enterprise** Silicon Valley, *Software Engineer Contractor*
Application made in Node.js, Grommet & C++ related to Value at Risk analysis of financial portfolios.

10. 2015   **ACM ICPC 2015** Contest participant: Mexico and Central America

06. 2015   **Front-end developer** Intelimétrica | Summer work, *React.js, Selenium*
Acceptance tests to ensure quality of the business services. Development of real estate dynamic pricing maps.

06. 2013   **Full-stack developer** Summa Di-Saas | *Ruby on Rails, AWS, Django*
Kickstart of the development area of the company, leading the first tech projects.

03. 2013   **SiRASS** Universidad Autónoma de la Ciudad de México (Social Service) | *Ruby on Rails*
Project leader and developer of a system for the social service office. It reduced waiting times by ~50%

01. 2011   **Fedora community** +3 years involved in the community | FBN, fedoraproject.org
Chair of Fedora Blogger Network, creation of guides and support to the community through IRC channels.

EDUCATION

Tecnológico de Monterrey

2018   **MSc. in Computer Science and Machine Learning**
· Web bot detection (SIVT) using ML Pattern Recognition

2016   **BSc. in Computer Science**
· **CENEVAL Medal Award** given to **1%** of the national studens for graduating with excellence
· Academic Excellence (**GPA 4.0**) x3 times

2014   ### California State University, Chico
Game Development & Design

TECH SKILLS

JS + React + Redux   ★ ★ ★ ★ ★

Ruby on Rails   ★ ★ ★ ★ ○

Deep Learning (Keras)   ★ ★ ★ ○ ○

Python 3 + Numpy/Pandas   ★ ★ ★ ★ ★

Also: TDD, R, Visualization Tools, Google Cloud Platform, AWS, MySQL, MongoDB, Firebase, Docker, DevOps, Node.js, Angular, Django, Git, Erlang, Clojure, Swift, C/C++, z/OS, Selenium, TDD, Octave, Matlab, Jekyll.

TRAINING

Code School: Ruby, Rails, Fundamentals of Design, Front-End Foundations, SQL. **Microsoft:** HTML5 & IE9 diploma.
Coursera: Computer Vision, Andrew's Ng ML Course
DataCamp: Basic & Intermediate Python for Data Science, R Courses
Others: Fast.ai First Course, Fast.ai's Intro to Machine Learning