


# Fernando Gómez Herrera

Computer Science Engineer

Student: MSc. in Computer Science

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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 whenever I encounter a new project 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

- 10. 2017 **16<sup>th</sup> 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** Sillicon 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 (Servicio Social) | *Ruby on Rails*  
Project leader and developer of a system for the social service office. It reduced by ~50% waiting times.
- 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

- 2018  
2017 **Tecnológico de Monterrey**  
**Campus Estado de México**  
MSc. in Computer Science  
· Web bot detection (SIVT) using Machine Learning
- 2016 **BSc. in Computer Science**
- 2014 **California State University, Chico**  
Game Development & Design
- 2012 **IPN CECyT 9 "J.D.B.P"**  
Technical degree in programming

## TECH SKILLS

- Python 3 + Numpy/Pandas     
- Deep Learning (Keras)     
- Scikit-Learn     
- Ruby on Rails     
- JS + jQuery + React     

**Also:** 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