Fernando Gómez Herrera

Computer Science Engineer
Student: MSc. in Computer Science

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PROFILE

I'm a 23 years old mexican software engineer, currently studying a MSc. in Computer Science. I have wide experience with web technologies and recently with machine learning. I like to start new projects working as a freelance and learning new things everyday. I love to practice yoga or take long walks in my city. I'm a bookworm, geek, anime fan and tech entrepreneur.

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

WORK, PROJECTS & HIGHLIGHTS

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** Sillicon Valley, *Software Engineer Contractor*
Application made in Node.js, Grommet & C++ related to Value at Risk analysis of finnancial 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

2012–2009 — **IPN CECyT 9 "J.D.B.P"**
Technical degree in programming

TECH SKILLS

Skill	Rating
Ruby on Rails	★★★○○
JS + jQuery + React	★★★★○
ML: R + Python	★★○○○
SQL & NoSQL	★★○○○
OS X, Linux, Windows	★★★★★

Also: MySQL, MongoDB, Firebase, Docker, DevOps, Node.js, Angular, Django, Git, Erlang, Clojure, AWS, Swift, C/C++, z/OS, Selenium, TDD, Octave, Matlab, scikit-learn.

TRAINING

Code School: Ruby, Rails, Fundamentals of Design, Front-End Foundations, SQL. **Microsoft:** HTML5 & IE9 diploma.
Coursera: Computer Vision, Machine Learning.
Current:
Udacity: Intro to Machine Learning. **Datacamp:** R courses