

Fernando Gómez Herrera

Computer Science Engineer

BSc. & MSc. in CS + Machine Learning



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PROFILE

I am a **BSc. & MSc. Software Engineer** with wide experience in web technologies and recently with deep learning. I have been working as a **freelance** for almost **4 years** and since high school I have been working during summers either in personal projects, at startups or studying. I love to practice yoga; to 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 students for graduating with excellence
• Academic Excellence (GPA 4.0) x3 times

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



TECH SKILLS

JS/TS + 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