Martin GOUY

1801 Shattuck Ave, Berkeley, CA 94709

☎ (510) 944-4956 | ✉ martin.gouy@berkeley.edu | 🌐 http://martingouy.com/

EDUCATION

UC BERKELEY *Expected May 2016*
Master of Engineering in Industrial Engineering and Operations Research *Berkeley, CA*
- Leadership, Optimization Analytics, Data Analysis, Machine Learning

ARTS & METIERS PARISTECH *June 2015*
Bachelor and Master in Engineering Science *Paris, FR*
- Applied Mathematics, Statistics, Project Management, Economics
- GPA: 3.90/4.00, 20th out of 967 students (top 2%)

LYCEE HOCHE *June 2013*
Preparation for the competitive entrance exams *Versailles, FR*
- Majors: Mathematics-Physics
- Cumulative GPA: 3.95/4.00

WORK EXPERIENCE

DATA ANALYTICS INTERN *June 2014 – May 2015*
UC Berkeley Point Q Simulator Research Team *Paris, FR*

Created an automated data analytics and visualization webapp to handle the results of a traffic simulator
- Features: Advanced Dashboards, Interactive Visualizations, Big Data processing
- Framework: Django (Python), Celery, Redis (asynchronous processing)
- Visualizations: D3.js, Google map API + WebGL
- Teamwork skills: Weekly team reporting and presentations

BUSINESS INTELLIGENCE INTERN *February 2014*
Cityway *Aix-en-Provence, FR*

Created analysis documents (advanced charts, interactive maps) by linking an open-source business intelligence solution (SpagoBI) with their databases

ACADEMIC PROJECTS

ENTREPRENEURIAL OPPORTUNITIES IN PATENT DATA ANALYSIS *Sept. 2015 - May 2016*

- Goal: Creation of a go-to-market product based on the technology we are developing
- Developing cutting edge techniques in patent analysis (similarities, classification, blocking threats)
- Involves applying state-of-the-art Machine Learning techniques on a dataset of several million patents

DECISION MAKING SOFTWARE *Sept. 2014 – Jan. 2015*

- Collaborated with teammates to design and develop a webapp to measure the risk attitude of a person.

PUBLICATIONS

- "PointQ model of an arterial network: calibration and experiments"
  Fatma Yildiz Tascikaraoglu, Jennie Lioris, Ajith Muralidharan, Martin Gouy and Pravin Varaiya

AWARDS / CERTIFICATIONS

- Award for Outstanding Academic Achievement at Arts & Métiers ParisTech
- Machine Learning by Andrew Ng (MOOC | Stanford)
- CS50x - Introduction to Computer Science (MOOC | Harvard)

ADDITIONAL PERTINENT INFORMATION

LANGUAGES : French (native) / English (fluent) / Spanish (conversant)
COMPUTING : Python (Scikit-learn) / SQL / Matlab / Excel / VBA / Javascript (D3.js)
ACTIVITIES : Soccer / Screen-printing / Member of the ENSAM College junior company
CHARITY WORK : Involved in a charity program run by the association Afev (www.afev.fr) | 2013-2014