

Marie DOURIEZ

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EDUCATION

Master of Engineering - University of California, Berkeley

Industrial Engineering and Operations Research (IEOR)

Relevant Coursework: Machine Learning, Learning & Optimization, Statistical Prediction and Machine Learning, Mathematical Programming, Applied Stochastic Process, Production Planning and Logistics Models

2015-2016

Berkeley, US

Master of Engineering - Ecole Polytechnique

Data Science and Technologies Innovation

Relevant Coursework: Data Science and Mining, Databases and Big Data Management, Algorithms and Programming, Operations Research, Time Series Analysis, Website development (GPA: 3.8)

2014-2015

Paris, France

Bachelor of Science - Ecole Polytechnique

Engineering

Majored in Computer Science and Economics

2012-2014

Paris, France

RELATED EXPERIENCE

University of California, Berkeley - *Capstone Project*

Machine Learning, Wearable Computing, and Alzheimer's Disease

- Design a technology that keeps Alzheimer's patients safe at home and monitors the disease state
- Collect and analyze sensor data to perform Activity Recognition in Python

Sep 2015 - May 2016

Berkeley, US

NYU Polytechnic School of Engineering – *Research Intern*

- Worked with the Visualization and Data Analysis (ViDA) group
- Explored the NYC taxi trips database using Java to evaluate whether perfect anonymity and privacy for the drivers are possible
- Designed an attack against anonymization strategies proposed in the literature
- Showed that this attack could re-identify up to 90% of the taxis

Mar 2015 - Jul 2015

New York, US

Valeo - *Supply Chain Intern*

- Initiated the change of the delivery system to reduce cost of exporting products to Nissan
- Audited the supply chain based on the Valeo Production System

Jul 2014 – Aug 2014

Shanghai, China

Military service's regiment - *French Officer military trainee*

- Managed a platoon of 30 young people with 5 cadres of the regiment under my command
- Took part in an equatorial forest life training course with a combat platoon
- Wrote a report on the administrative environment of the regiment

Sep 2012 – Apr 2013

French Guiana

COMPUTER SKILLS

Programming Java, Python, SQL, R, C++, Web programming (HTML, PHP, CSS)

Software Operating systems Windows and Mac OS X, Microsoft Office

SKILLS AND INTERESTS

Languages English (fluent), French (native), German (fluent), Chinese (beginner)

Student club **Treasurer of the Microcredit Institute X-MicroFinance** - Ecole Polytechnique, France
President of the club for the German language and culture - Ecole Polytechnique, France

Sport - **Rhythmic gymnastics:** France Champion in 2007. Competed during 9 years.
- **Handball:** team captain, university tournament.

Travels/Culture Numerous travels in Europe, French Guiana, Guatemala, China, USA.