

# Emile MATHIEU

## *Applied mathematician graduating in 2017*

**Address:** 16bis rue du Rhin 75019, Paris

**E-mail:** emile.mathieu@eleves.enpc.fr

**Phone:** +33(0)6.35.56.66.91

### PROFESSIONAL PROJECT

Master of Science in applied mathematics & computer science at *Ecole Nationale des Ponts et Chaussées*, seeking an internship in artificial intelligence starting beginning of 2016.

---

### EDUCATION

- ✓ Since 2014 – Pursuing a master's degree in applied mathematics & computer science at *Ecole Nationale des Ponts et Chaussées* (ENPC, Paris)
- ✓ 2011 - 2014 – Bachelor's Degree in engineering at *École nationale des ponts et chaussées* (Paris)
- ✓ 2010 – *Baccalaureat scientifique* equivalent to high school diploma, specializing in mathematics and physics, passed with honors (Nantes, France)

---

### STUDENT AND WORK EXPERIENCE

- ✓ Since July 2015 – Hybrid mobile developer at BAM Lab, using leading technologies such as Cordova and Ionic (Paris)
- ✓ February - June 2015 – Lead in a 3 person machine learning project in which we implemented two algorithms from academic articles so as to predict label from multiple annotators
- ✓ October 2014 - June 2015 – Lead in a 4 person project on prediction of bicycle sharing system (bss) availability, developed with agile methodology and supervised by the company THEODO. Paris bss users can now easily find the nearest functional bicycle
- ✓ November 2014 – Data compression course at Czech Technical University (Prague)
- ✓ May - July 2014 – Data scientist at IFSTTAR research institute: data mining algorithm implementations and visualizations enhanced the understanding of commuters' behavior (Paris)
- ✓ June 2014 - June 2015 – Treasurer of the Sports Club at ENPC (Paris)
- ✓ March 2013 – Vigenère and RSA cryptosystems implemented and cracked in C++ as part of a project for an algorithmic course

---

### PROFESSIONAL SKILLS

#### • LANGUAGES

- ✓ Native – French
- ✓ Fluent (TOEIC: 930) – English: Intensive course in Oxford and immersion stays in Anglo-Saxon families (London, UK; Santa Cruz, CA, USA; St Petersburg, FL, USA)
- ✓ Moderate – Spanish: Immersion stay in an Argentinian family for three weeks

#### • COMPUTER SCIENCE

- ✓ Advanced knowledge – C++, Python, Matlab, SciLab, AngularJS, Unix
- ✓ Basic knowledge – HTML5, CSS3, NodeJS, Symfony, MySQL, R

---

### MISCELLANEOUS

- ✓ Music – Drums player for 10 years, treasurer of the music club
- ✓ Sport – Volleyball player, team champion of Paris schools 'excellence' tournament. Organization and sponsorship of a 600 km surf trip along french atlantic coast

---

### REFERENCES

- ✓ Mr. Mohammed El Rhabi – Academic Director of the Department of Mathematics & CS of ENPC | 6-8 Avenue Blaise Pascal, 77455 Champs-sur-Marne | mohammed.el-rhabi@enpc.fr
- ✓ Mrs. Latifa Oukhellou – Research director at IFSTTAR | 14-20 Boulevard Newton, 77455 Champs sur Marne | latifa.oukhellou@ifsttar.fr