

Paul MUSTIÈRE

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20 years old

Seeking an internship in Computer Science from June 2015

EDUCATION

- 2013 – 2017 **MINES ParisTech, top-level Engineering School**, Paris
Master's degree in science and executive engineering, major in **Applied Mathematics**
- 2011 – 2013 **Scientific classes préparatoires**, major in mathematics, Lycée Clemenceau, Nantes
- 2011 **High School Diploma Baccalauréat**, scientific section, Lycée Jules Verne, Nantes

WORK EXPERIENCE AND PROJECTS

- 2014 – 2015 **Research internship at the Pierre et Marie Curie University**, Paris
(6 months) Researching resource allocation protocols for multi-agent systems.
 - Development of algorithms using graph theory in Python and C++
 - Planned publication of a scientific paper
- 2014 – 2015 **Development of an Android application**, Paris
(6 months) Working in a team of 2 to develop an application for a French company.
 - Precise-time display of medias dictated by a REST API for advertising
- 2014 **Development of a mobile application**, Paris
(two month) iOS and Android development of an application for a week-long event.
 - Implementation of an ordering system with a HTTP-based server
 - Use of augmented reality libraries for interactive posters
- 2013 **Speech recognition at the Center for Applied Mathematics**, Sophia, France
(3 weeks) Working in a small team to develop a system capable of understanding simple words.
 - Speech recognition implementation using continuous hidden Markov models
 - Development of machine learning mechanisms in C++
- 2011 – 2013 **Project in robotics and computer science (part of the engineering schools exam)**, France
(2 years) Designing a robot capable of solving the Rubik's Cube.
 - Development of an algorithm to solve the Cube using graph theory and group reduction
 - Design of the robot with 4 pliers to carry out the solution physically
- 2011 – 2012 **Intel Acceler8 Contest**, France
Two participations to parallel programming contests in C++ on Many-Core processors.
 - Second solution ranked 51th of more than 500

COMPUTER AND LANGUAGE SKILLS

- LANGUAGES** **English:** very good working level (Advanced level, C1) **French:** native speaker
Chinese: beginner
- COMPUTER** Software: Hadoop, Android SDK, Mathematica, MATLAB, Suite Office
Programming languages: C/C++, Python, Java, Arduino, SQL, PHP, HTML 5 / CSS 3

OTHER INTERESTS AND HOBBIES

- 2014 – 2015 **President of Minotaure**, school robotics association
 - Programming on Arduino boards, parts design using CATIA V5 and rapid prototyping
 - Responsible for the management of a €40k budget
- SPORTS** Rugby, snowboard, volleyball
- OTHER** Driving license, sailing license