

Amin FEHRI

Mines ParisTech PhD, Centrale Marseille Engineer

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26 years old

EDUCATION

- October 2014 - **PhD Candidate**, *Mines ParisTech*, Paris, France.
PhD in computer vision and pattern recognition.
- 2010–2013 **Generalist Engineering School**, *Ecole Centrale Marseille*, Marseille, France.
3rd year courses : Information Science and Technology & Management and Entrepreneurship - GPA: 3.77/4
- 2012–2013 **Master in Science**, *Université Paul Cézanne (Aix-Marseille III)*, Marseille, France.
Optics, Photonics, Signal and Image, specialty Signal and Image.
- 2007–2010 **Higher School Preparatory Classes**, *Charlemagne*, Paris, France.
Preparatory classes: two-year undergraduate intensive course in mathematics and physics (MPSI-MP).
- 2004–2007 **High School**, *Louis-le-Grand*, Paris, France.
Secondary School. French Baccalaureate (A-Level/High School Diploma Equivalent) – Maths and Physics option.

EXPERIENCE

- October 2014 - **Research Engineer**, *Mines ParisTech*, Paris, France.
PhD in computer vision and pattern recognition. Advisors: Fernand Meyer and Santiago Velasco-Forero.
 - Creating new algorithms for unsupervised/supervised hierarchical segmentation, video object segmentation, semantic segmentation ; comparing their results with other state-of-the-art approaches.
 - Implementing a graph-based hierarchical segmentation module in Smil (mathematical morphology python library).
 - Communicating results in international conferences and journals.Technologies and tools: C++, Python, Matlab, Linux, machine learning (CNN - deep learning, SVM), computer vision (keras-Theano/TensorFlow, scikit-learn, scipy, numpy, OpenCV, Smil), mathematical morphology, graph-based approaches.
- June-October 2014 **Software Engineer**, *Amadeus IT Group*, Sophia Antipolis, France.
 - Working on the pricing part of the tickets search engine of the company.
 - Coding of scripts for data handling.Technologies and tools: C, Perl, Windows.
- April-September 2013 **Computer Vision R&D Trainee**, *CEA LIST*, Saclay, France.
Topic: "Objects recognition and localization in images". Grade obtained: Very Good.
 - Creating and implementing an original algorithm to recognize and localize objects in images.
 - Comparing its results with state-of-the-arts approaches on public databases.Technologies and tools: C++, Linux, computer vision (OpenCV), machine learning, image/signal processing.
- June-September 2012 **Econometrics Trainee**, *French Economic Observatory – Sciences Po Paris*, Sophia Antipolis, France.
Topic: "Heterogeneity in the Euro Effect on Markups: Evidence from French Manufacturing Firms". Grade obtained: Very Good.
 - Developing an econometrics model.
 - Writing and publishing results in a conference paper.Technologies and tools: statistics, Stata, LaTeX.

LANGUAGES

French	Native language
English	Fluent, TOEIC score : 940/990
Chinese	Basic communication skills
German	Basic communication skills

CODING SKILLS

OS	Linux, Mac Os, Windows
Languages	C++, Python, Java, C, SQL, Perl
Softwares	Matlab, Scilab, Stata, LaTeX, Git
Libraries	Keras (TensorFlow/Theano), scikit-learn, scipy, numpy, OpenCV, Smil

PERSONAL INTERESTS

- Sport Tennis, Basketball (former captain of a Centrale Marseille team: team management, organization of games).
- Music Piano (for ten years in a National Music Conservatory), Music Theory.