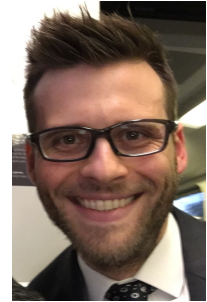


Curriculum vitæ



Name François PETITJEAN
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Google scholar http://scholar.google.com.au/citations?user=38203_YAAAAJ

1 Education

PhD in Computer Science, University of Strasbourg September 2012
Top-ranked at both University and National levels – see “Best PhD” Awards below

MSc in Computer Science, University of Strasbourg June 2009
High honours, top ranked student in year

BSc in Computer Science, University of Franche-Comté June 2007
High honours, top ranked student in year

2 Professional experience

Senior Research Fellow August 2016 –

- **Employer:** Monash University
- **Research area:** Big data – Can we map our Planet at high-resolution?

Research Fellow October 2012 – July 2016

- **Employer:** Monash University
- **Research area:** Big data – Can we analyse data correctly and at scale?

PhD Researcher October 2009 → September 2012

- **Employer:** French Space Agency – University of Strasbourg
- **Research area:** Can we understand the evolution of our Planet from satellite images?

University teacher October 2009 → September 2012

- **Employer:** University of Strasbourg
- **Activity:** 200 hours of teaching in Computer Science across multiple subjects

3 Awards

I have been fortunate to receive the following awards:

- **2016 Victorian Young Achiever Award – Research Impact**
- **2016 Dean’s Award for Excellence in Research Impact** – Monash Faculty of IT.
- **2015 Dean’s Award for Excellence in Research by an Early Career Researcher** – Monash Faculty of IT.
- **AIM 2015 Best Paper Award** by the International Conference for Artificial Intelligence in Medicine.

- **SDM 2015 Best Research Paper Honorable Mention** awarded by the SIAM International Conference on Data Mining.
- **Best Science PhD 2013** (“Prix de Thèse 2013”) awarded by the University of Strasbourg as the top Science PhD of the year. The University of Strasbourg typically graduates around **400** PhDs per year.
- **Best Machine Learning PhD** (“Prix de thèse 2014”) awarded by the French-speaking Machine Learning association (EGC) as the top PhD in Machine Learning for the period **2010-2013**.

4 Grants as principal/chief investigator

2016–2018 U.S. Air Force Office of Scientific Research – \$108,000 – Principal investigator
2015–2016 U.S. Air Force Office of Scientific Research – \$52,000 – Principal investigator
2015 Early Career Researcher Seed Grant – Monash Faculty of IT – \$7,500
2015 Invited Researcher – ENSISA – \$5,000
2014 France-Australia Science Innovation Collaboration Grant – \$7,000 – Chief investigator
2014 Early Career Researcher Small Grant – Monash Faculty of IT – \$5,000
2009–2012 Doctoral Research Grant – French Space Agency (CNES)/Thales Alenia Space – \$168,000

5 Visiting Researcher Positions

Date	Institution	Host
April 2016	University of California at Riverside	Professor E. Keogh
June 2015	French Space Agency (CNES)	Dr J. Inglada
May 2015	ENSISA	A/Professor G. Forestier
July 2014	Remote Sensing Center (<i>Maison de la télédétection</i>)	Professor M. Teisseire
June 2014	French Institute for Computer Science (INRIA)	Dr C. Raissi
May 2014	University of California at Riverside	Professor E. Keogh
July 2013	ENSISA	A/Professor G. Forestier
May 2011	French Space Agency (CNES)	Dr J. Inglada

6 Scientific publications

I have published 30+ scientific papers in the leading journals and conferences in my field. The complete list is available at <http://francois-petitjean.com/Research/>, with supporting documentation (slides, source code, etc.).

My papers have been cited 350+ times, which is considered significant in my field for less than 4 years after PhD graduation. Details of citations is accessible on Google Scholar – [link](#).

7 Broader engagement

Since 2013, I have been a regular contributor for KD Nuggets.com. KD Nuggets is a leading site on Business Analytics, Big Data, Data Mining, and Data Science, and is edited by Gregory Piatetsky-Shapiro. It has over 100,000 unique monthly visitors and over 50,000 subscribers/followers on social networks. For example, my [last article on deep learning](#) has been read more than 8,000 times in the first 2 weeks after its publications and mentioned more than 300 times on Twitter. Note that these articles are pitched for IT professional with interest in Data Science. My contributions include:

1. “Data Mining most Vexing Problem Solved” – [link](#)
2. “Basketball Predictive Analytics: Will he take the shot?” – [link](#)

3. “Deep learning for Text Understanding” – [link](#)
4. “Can noise help to separate causation from correlation?” – [link](#)
5. “Vite fait, bien fait!” – [link](#)
6. “Highlights of IEEE ICDM 2013 in Dallas” – [link](#)
7. “Chordalysis, a new method to discover the structure of data” – [link](#)

8 Program committees – Referee roles

- Conferences
 - ACM SIGKDD – World-top Conference on Data Analytics
 - ECML/PKDD – Premier European machine learning and data mining Conference
 - IEEE Data Science and Advanced Analytics
- Journals
 - Pattern Recognition
 - Data Mining and Knowledge Discovery
 - IEEE Transactions on Remote Sensing (and Letters)
 - Information Sciences
 - IEEE Transactions on Cybernetics
 - International Journal of Pattern Recognition and Artificial Intelligence
 - IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
 - Advances in Space Research

9 Student Supervision

In France I have co-supervised to completion 5 masters students and two B.Sc. students (see [here](#) for names of the students and associated projects).

At Monash I am currently co-supervising three PhD students (Kelvin Li, Chang Wei Tan and He Zhang)

10 Fun :)

Skydiving (250 jumps – Plane leader and demonstration certifications). Check out my last Jump in Nagambie, Victoria [here](#)

Light plane piloting (“Brevet de base” theory + solo piloting)