Matthew HENRY

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Seeking job in Applied Math Research - 24 years old

Education

2014–2015 **Master's (2nd year) in Mathematical Modelling**.
Master scholarship from Fondation Mathematique Jacques Hadamard Excellence Program
Program managed by the ECP, ENS-Cachan, ENSTA Paristech, INSTN, UVSQ in Paris, France

2013–2014 **Master's (1st year) in Ocean, Atmosphere and Climate Dynamics**.
Universite Pierre et Marie Curie, Paris, France

2010–2013 **Bachelor of Science, Mathematics Major**.
GPA : 3.73
McGill University, Montreal, Canada

Research Experience

2015 **Machine Learning internship**, *Big Datext, Grenoble, France*.
Work on the prediction of the number of views for a given news article. Access to a large
database with more than 100k articles and the corresponding number of views.
Acquired skills in machine learning, python, scikit-learn and natural language processing.
(2 months)

2015 **Master's internship**, *Paris 6 Computer Science Laboratory (LIP6), France*.
Under the supervision of Julien Tierny and Julie Delon
Work on the parallel and multi-scale computation of a transport plan between two distributions
in order to generate a suitable time interpolation between them.
Acquired skills in C++ and algorithm design.
(6 months)

2014 **Master's internship**, *LOCEAN (part of the Institut Pierre Simon Laplace), Paris, France*.
Under the supervision of Guillaume Gastineau
Work on the radiative signature of upper tropospheric moistening.
Acquired skills in Matlab and climate science.
(2 months)

2011 **Research Assistant to PhD Student**, *McGill University, Montreal, Canada*.
Helped to conduct meta-analysis to compare the yields of organic agriculture to conventional
agriculture by gathering data. Used to publish a paper in Nature.
"Comparing the yields of organic and conventional agriculture", by Seufert, Ramankutty and
Foley in Nature 489, 229-232 (10 May 2012)
(2 months)

Employment History

2013	**Grader for linear algebra (MATH 223) with Professor Wilbur Jonsson**, *Montreal, Canada*. (1 year)
2012	**Grader for linear algebra (MATH 318) with Professor Loveys**, *Montreal, Canada*. (6 months)
2012	**Food Service at the Y Country Camp**, *Montreal, Canada*. Setting up, serving food and cleaning at a summer camp for children. (2 months)
2010	**Internship at Yejj Solar Tech**, *Phnom Penh, Cambodia*. Marketing and setting up solar systems for clients. (4 months)
2009-2010	**English Tutor**, *Beijing, China*.

Computer skills

Coding	Python, C++, C, Java, Fortran90 (in order of familiarity)
Software	Matlab, Paraview

Languages

English	Native
French	Native

Other Interests

- Running, Outdoors Activities
- Meditation
- Guitar
- Standup Comedy
- Political Science