

Mia Miao Feng

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National University of Defense Technology, Wuhan University • Changsha city, Hunan province, China

Education

- **National University of Defense Technology** **Changsha city, China**
School of Computing, M.E. Computer science and technology 9/2016 – Present
 - My main research interests are data analysis, reinforce learning, and transfer learning.
 - relevant courses: CS229, CS231n, Linear Algebra.
 - relevant reading: GP for Machine Learning, Psychology.
 - **Wuhan University** **Wuhan city, China**
International software school, B.E., Spatial Informatics and Digitalized Technology 09/2012 – 06/2016
 - National Scholarship, Aug., 2015; Excellent Student Cadre, Aug., 2015.
 - Final GPA: 3.5; thesis: *Fast Satellite Image Storage and Plugin Development Based on HDFS*
 - relevant courses: Statistics, Fundamental of Physics, Advanced mathematics, Linear Algebra.
 - **Wuhan University** **Wuhan city, China**
Economics and management school, B.S., Finance. 09/2013 – 06/2016
 - Final GPA: 3.0; thesis: *Implications of the Financial Crisis Inherent Defects of the International Monetary System and Some Advice*
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Experience

- **Meituan-Dianping** **Beijing, China**
Research and Development engineer, fintech 07/2018 – 09/2018
 - Worked on anti-fraud detection
 - I proposed three patents related to anti-fraud detection, identification detection and intention detection. The patents have been accepted by Meituan-Dianping, and will be handed by them.¹.
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Certificates and awards

- Outstanding Organizer 12/2016
 - 3rd prize, The 13th MCM of Master 90/2016
 - Excellent Graduate 06/2016
 - National Scholarship 08/2015
 - Outstanding Student Leader 08/2015
 - 2nd Prize, COMAP's MCM 02/2015
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Languages and Technologies

Programming Languages: Python, Java, C++, \LaTeX , Matlab, JavaScript, SQL

Technologies: SciPy, NumPy, Keras, TensorFlow, DyNet, scikit-learn, UNIX, Git

Natural Languages: Fluent in Chinese and English, beginner in French and Japanese.

¹<https://github.com/skaudrey/cv/blob/master/patent/list.png>

Projects

- **The naive implementation of some popular machine learning algorithms.** 03/2018 – Present
 - Naive implementation of some M.L. algorithms, which will be updated continuously².
 - **HCR–Compress and Resonstruct hyper-spectral data.** 10/2018
 - Compress and reconstructs infrared hyperspectrum data³.
 - **Cloud denoise of infrared hyper-spectral data based on logistic.** 04/2018
 - Distinguish whether infrared atmospheric sounding interferometer’s (IASI’s) instantaneous fields of view (IFOVs) are covered by clouds or not.⁴.
 - **Weather processes interpolation based on GPR.** 06/2017–08/2017
 - Interpolating wind fields.⁵.
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Publications

1. **Feng M, Zhang W, Zhu X, et al.** Multivariate Interpolation of Wind Field Based on Gaussian Process Regression[J]. Atmosphere, 2018, 9(5):194.
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Talks

- Discussion about Data Assimilation and Machine Learning, Sep. 11th, 2017.⁶
 - Multivariate Interpolation of Wind Fields Based on Gaussian Process Regression, Jan. 24th, 2018.⁷
 - The Introduction of Infrared Hyper-spectrum Data and Kernel PCA, June 5th, 2018.⁸
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Other academic activities

- **The International Summer School on Applied Mathematics:** Machine Learning, Deep Learning, Data Assimilation.⁹.
- **Computing in the 21th Century & Asia Faculty Summit:** Microsoft, CS, AI, Computational biology.¹⁰.

²<https://skaudrey.github.io/posts/projects/2018-11-16-ml-implement.html>

³<https://skaudrey.github.io/posts/projects/2018-11-16-hcr.html>

⁴<https://skaudrey.github.io/posts/projects/2018-11-16-lr.html>

⁵<https://skaudrey.github.io/posts/projects/2018-11-11-gpr.html>

⁶<https://skaudrey.github.io/assets/slides/D.A/pres.pdf>

⁷<https://skaudrey.github.io/assets/slides/gpr/windInterpolation.pdf>

⁸<https://skaudrey.github.io/assets/slides/hyp/hypCompression.pdf>

⁹<https://skaudrey.github.io/posts/meetings/2018-11-13-harbin.html>

¹⁰<https://skaudrey.github.io/posts/meetings/2018-11-13-microsoft.html>