

Mia 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 grade: 3.0; thesis: *Implications of the Financial Crisis Inherent Defects of the International Monetary System and Some Advice*
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Experience

- **AYLIEN** **Dublin, Ireland**
Research Scientist 10/2015 – Present
 - Developed aspect-based sentiment analysis (ABSA) endpoint¹ and created sentiment analysis models on-par with state-of-the-art².
 - Developed models for a novel form of stance detection from scratch. Collected data, crowd-sourced annotations, and iterated upon the models in dialogue with the customer.
 - My current work focuses on productizing research insights by developing efficient transfer learning algorithms and state-of-the-art models for novel problems as well as existing applications such as stance detection and emotion detection.
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Certificates and awards

- Google Developer Expert – Machine Learning 12/2017 – Present
 - Scholarship of the Irish Research Council 10/2015 – Present
 - Scholarship of the *Cusanuswerk*, one of the 13 German sponsorship organizations 04/2014 – 09/2015
 - Microsoft Certified Professional (Programming in C#) 06/2015
 - Best Delegate award in various Model United Nations conferences 11/2012 – 01/2014
 - Second and third prizes *Bundeswettbewerb Fremdsprachen*, national foreign languages competition 2007 – 2008
 - First and second prizes *Landeswettbewerb Mathematik*, state mathematics competition 2006 – 2008
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Languages and Technologies

Programming Languages: Python, Java, C++, L^AT_EX, 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://developer.aylien.com/text-api-demo?tab=absa>

²<https://developer.aylien.com/text-api-demo?tab=sentiment>

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, 2017.³
- Multivariate Interpolation of Wind Fields Based on Gaussian Process Regression, Jan. 24th, 2018.⁴
- The Introduction of Infrared Hyper-spectrum Data and kernel PCA compression, June 5th, 2018.⁵

³<https://skaudrey.github.io/assets/slides/D.A/pres.pdf>

⁴<https://skaudrey.github.io/assets/slides/gpr/windInterpolation.pdf>

⁵<https://skaudrey.github.io/assets/slides/hyp/hypCompression.pdf>