

Dong Liu, Ph.D.

PERSONAL DATA

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WEBSITE: <https://firsthandscientist.github.io>

WORK EXPERIENCE

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| PRESENT | Researcher on Bayesian models and methods, Department of Intelligent Systems |
| 2020 NOV | KTH Royal Institute of Technology, Stockholm, Sweden. |
| 2020 JAN | Algorithm consultant of start-up, SIAJOR Co. Ltd |
| 2018 JAN | A solution provider of artificial intelligent systems. |
| 2016 DEC | Research engineer, standardization of radio access technology |
| 2016 APR | Shanghai Research Institute, Huawei Technologies Co., Ltd |

EDUCATION

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| 2020 NOV | Ph.D. in Engineering (temporary employee) |
| 2016 DEC | Research in statistical models, Bayesian inference, machine learning Dissertation: Perspectives on Probabilistic Graphical Models Information Science and Engineering, Department of Intelligent Systems School of Electrical Engineering and Computer Science KTH Royal Institute of Technology, Stockholm, Sweden. |
| 2016 MAR | M.Sc. |
| 2013 SEP | Top 5%, Excellent Graduate of Shanghai City in 2016. School of Electrical and Information Engineering Tongji University, Shanghai, China. |
| 2013 JUL | B.E. |
| 2009 SEP | Top 1%, Excellent Graduate of Liaoning Province in 2013 Shenyang University of Technology, Shenyang, China |

PRACTICAL SKILLS ([GitHub Profile](#))

Programming: PYTHON, PYTORCH, BASH, MATLAB, \LaTeX , ,
Technical skills: I am a superuser.
Experience in the administration of Linux computational servers of ISE of KTH
from 2017 to 2020.

RESEARCH INTERESTS AND SCHOLARSHIPS

Probabilistic graphical model design, Bayesian inference and learning technique/methods, sequential data models, machine learning, stochastic geometry and their applications.
Check out [research&development](#) to see more about my recent projects. Recent papers at my [google scholar](#).

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| 2019 NOV | Grants, amount $\approx 83k$ SEK. |
| 2017 JAN | Grant from Karl Engvers Foundation, Sweden, 2020. Grant from Knut and Alice Wallenberg Foundation "Jubilee appropriation", Sweden, 2019. Grant from Ericsson Research Foundation, Sweden, 2019. |

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| | Grant from General Travel Foundation, KTH, Sweden, 2019. |
| | Gran from IEEE Signal Processing Society Travel Grant, 2019. |
| 2016 DEC | Postgraduate studies scholarships, amount $\approx 55k$ SEK. |
| 2013 AUG | National Scholarship for Postgraduate Studies, China, 2013-2016. |
| | National Scholarship for Postgraduate, China, 2015. |
| 2013 JUN | Undergraduate studies scholarships, amount $\approx 49k$ SEK. |
| 2009 SEP | National Scholarship for Undergraduates in 2012 and 2011, respectively. |
| | The First Class Scholarship of Chinese Instrument and Control Society in 2012. |
| | The Mayor Scholarship of Shenyang City in 2011. |
| | The Scholarship of Liaoning Provincial Government in 2010. |
| | The Special Scholarship in 2012, 2011 and the First-class scholarship in 2010, from Shenyang University of Technology. |

TEACHING

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| 2020 SEP | Teaching Assistant |
| 2017 SEP | Graduate course EQ2341 Pattern Recognition and Machine Learning (regularly offer once per year), KTH Royal Institute of Technology, Sweden. |
| 2020 SEP | Supervision of Master Students at KTH |
| 2018 JAN | A. Scotti (topic: graph neural network & approximate message passing), graduated |
| | A. Ghosh (topic: neural network & hidden Markov model), graduated |
| | J. Torres (topic: approximate inference & message passing), graduated |

SUMMER SCHOOL

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| 2012 SEP | Chinese Academy of Sciences, China, with scholarship. |
| 2012 AUG | Kochi University of Technology, Kochi, Japan, with scholarship. |

LANGUAGES

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| MOTHER TONGUE : | Chinese |
| PROFESSIONAL : | English |

CONTEST AWARDS

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| 2019 | The Bronze Award in the 5th China Internet+ University Graduates Innovation & Entrepreneurship Awards. |
| 2014 | The First Prize in the National Postgraduate Mathematic Contest in Modeling in China. Top 2.45% in 4900 teams in China. |
| 2012 | The President Award in Fukuda Gold Robot Cup Contest of Shenyang City. |
| 2011 | The Grand Prize in Liaoning Contest District of National Undergraduate Electronic Design Contest. |
| 2011 | The First Prize in Liaoning Contest District of Chinese Undergraduate Mathematical Contest in 2011 and 2010 respectively. |

REFERENCES

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| Assoc. Prof. Ragnar Thobaben | School of Electrical Engineering and Computer Science Royal Institute of Technology (KTH), Sweden Office: Room C:738, Malvinas vag 10, Stockholm, SE-100 44, Sweden Email: ragnart@kth.se Phone: +4687908452 |
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| Assoc. Prof. Saikat Chatterjee | School of Electrical Engineering and Computer Science Royal Institute of Technology (KTH), Sweden Office: Malvinas vag 10, Stockholm, SE-100 44, Sweden Email: sach@kth.se Phone: +4687908478 |
| Prof. Mikael Skoglund | School of Electrical Engineering and Computer Science Royal Institute of Technology (KTH), Sweden Office: Room A:415, Malvinas vag 10, Stockholm, SE-100 44, Sweden Email: skoglund@kth.se Phone: +4687908430 |
| Prof. Erwu Liu | School of Electronics and Information Engineering Tongji University, China Office: 4800 Cao'an Highway, Jiading, 201804 Shanghai, China Email: erwu.liu@ieee.org or erwuliu@tongji.edu.cn Phone: +8615800903275 |