Toru Fujino

Personal Data

Nationality:	Japan
Place:	Chiba, Japan
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GitHub:	https://github.com/toru34

Work Experience

Dec 2015 - Senior Data Scientist (part-time) | IGPI Business Analytics & Intelligence

- Researches on Automatic Text Summarization

Developed and released a system to automatically generate finantial articles.

Published three domestic conference papers and one international conference paper (EMNLP 2017)

- Teaching Staff on Deep Learning Courses at the University of Tokyo (http://deeplearning.jp/)

Developed Course materials about deep learning techniques, such as MLP, CNN and RNN, and recent topics, including image recognition, image captioning, network embedding, machine translation and reinforcement learning.

· Advanced Artificial Intelligence I (2016 Summer, 2017 Summer)

· Advanced Artificial Intelligence II (2016 Autumn)

· Deep Learning Basics (2016 Summer, 2017 Summer, 2018 Winter, 2019 Summer)

· Deep Learning Developer Course (2017 Winter, 2018 Summer)

· Deep Learning for Natural Language Processing (2018 Summer)

Education

Apr. 2016 - Ph. D candidate in Environmental Studies
Graduate School of Frontier Sciences, **The University of Tokyo**, Japan
Major: Complex Adaptive Systems | Advisor: Prof. Yu Chen

Apr. 2014 - Mar. 2016 Master Degree in Environmental Studies
Graduate School of Frontier Sciences, **The University of Tokyo**, Japan
Major: Complex Adaptive Systems | Advisor: Prof. Yu Chen
Thesis: *Study on Traffic Networks with Approaches from Complex Adaptive Systems*
Developed agent-based simulation models in C++ to investigate the relationship between network structures and performances in traffic systems

Apr. 2009 - Mar. 2014 Bachelar Degree in Economics
Department of Economics, **Yokohama National University**, Japan
Major: Microeconomics | Advisor: Prof. Norio Takeoka
Thesis: *Study on the parity policies in NFL from the viewpoint of microeconomics*

Scholarships & Grants

Apr. 2017 - Mar. 2018	Scholarship for advanced graduate students in Artificial Intelligence by Toyota & Dowango (¥1,200,000)
Jul. 2016 - Dec. 2016	Academic Research Grant for Graduate School of Frontier Sciences Doctor Course Students (¥300,000)

Skills

Softwares:	Python, sql, C/C++, LaTeX
Languages:	Japaneses (native), English (TOEFL iBT: 96, Sep. 2016)

Research

Journals

1. **Toru Fujino**, Yu Chen,
   "Effects of Network Structure on the Performance of a Modeled Traffic Network under Drivers' Bounded Rationality",
   Accepted in Physica A: Statistical Mechanics and its Applications, 2019 (Preprint version: arXiv:1707.06492)

International Conference Proceedings

1. Masaru Isonuma, **Toru Fujino**, Ichiro Sakata, Yutaka Matsuo, Junichiro Mori,
   "Extractive Summarization Using Multi-Task Learning with Document Classification",
   Conference on Empirical Methods in Natural Language Processing (EMNLP), 2017 (Refereed)

International Conference Presentations

1. **Toru Fujino**, Yu Chen
   "Do Stylized Facts in Financial Markets Collapse Due to the Artificial Intelligence Analysis of Other Traders Behaviour?",
   Conference on Complex Systems (CCS) 2019 (Refereed, Oral)
2. **Toru Fujino**, Yu Chen
   "Effects of Network Structures on the Performance of a Modeled Traffic Network with Drivers' Preference Heterogeneity",
   The 3rd Annual International Conference on Computational Social Science (IC2S2), 2017 (Refereed, Poster)
3. **Toru Fujino**, Kangwei Chen, Yu Chen,
   "Study on Transport Costs across Network Using a Minority Game Model with Imperfect Information",
   Social Modeling and Simulations + Econophysics Colloquim (SMSEC), 2014 (Refereed, Oral)

References

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Graduate School of Engineering
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