Zhaohao Zeng

Tel:	(+81) 70-4015-6227	Address:	05-24, Bldg 63, Waseda Univ, Tokyo
E-mail:	zhaohao@fuji.waseda.jp	GitHub:	www.github.com/matthew-z

EMPLOYMENT

Microsoft Beijing, China
Software Engineer Internship Sep 2017 – Mar 2018
Mentor: Dr. Ruihua Song

- Work on Xiaoice Science Team (Xiaoice is a natural language chatbot product of Microsoft Research and AI).
- Build deep learning models to attach persona (personality) to Chatbot with Tensorflow and Python.

Silicon Studio Tokyo, Japan
Big Data Engineer Internship Oct 2016 – Jan 2017
Mentor: Dr. África Periañez

- Work on Yokozuna Data, a machine learning platform for game data science.
- Build machine learning tools to predict user behaviours (lifespan & spending) for mobile online games using Java and Apache Spark.

EDUCATION

Waseda University Tokyo, Japan
Ph.D & M.S in Computer Science, GPA 3.8 out of 4.0 Sep 2015 – Mar 2021
Supervisor: Prof. Tetsuya Sakai

- Research on Natural Language Processing and Information Retrieval.

University of Liverpool Liverpool, UK
Bachelor of Engineering in Electronics, GPA 3.7 out of 4.0 Sep 2013 – Sep 2015
Supervisor: Prof. Steve Taylor, Prof. Jason Ralph

- Dual degree program, Xi'an Jiaotong - Liverpool University.

SKILLS

Python, Java, Scala, C, C++, SQL; PyTorch, TensorFlow, Apache Spark, Django, Linux, Git

PUBLICATION

Zhaohao Zeng, Cheng Luo, Lifeng Shang, Hang Li, Tetsuya Sakai: *Evaluating Helpdesk Dialogues: Test Collections and Measures for Evaluating Customer-Helpdesk Dialogues.*, Proceedings of EVIA 2017, pp.1-9, Tokyo, Japan, Dec 2017. **Peer-Reviewed Full Paper**

HONOUR

2015 **Monbukagakusho Honors Scholarship**
The Ministry of Education (MEXT), Japanese Government.

SELECTED PROJECTS

2017 **Neural Networks for Question Answering**

Reproduced gated self-matching recurrent network (R-net) for reading comprehension with PyTorch. Received 40+ stars on Github.

2017 **Fashion Image Classification**

Implemented convolutional networks to classify clothing images on DeepFashion dataset with TensorFlow. Achieved 89.9% top-3 accuracy, which outperformed the original method in the DeepFashion paper.

2016 **Automatic Evaluation of Helpdesk Dialogue**

Built a helpdesk dialogue dataset by crawling dialogues on Weibo. Designed a nugget based measure and a neural network based measure for quantifying the success of each dialogue.

2016 **Google Person Finder**

Contributed to a Google-owned open-source project called Person Finder, which is based on Python, Django and AppEngine. Improved Person Finder's searching, indexing, and query pre-processing modules to make it handles cross-language searching better.

2016 **Cross-Device User Targeting**

Proposed a framework using Gaussian Mixture Model to target users across multiple digital devices to help online advertising publisher track users and recommend items better.

2015 **Automatic University Timetable Scheduling**

Developed a genetic algorithm based solution to automatically schedule timetable to automatically arrange classrooms, students, professors with C++ and Obj-C. Applied closed pattern mining algorithms to accelerate processing.

SERVICE

2019 **Co-organizer**
Short Text Conversation Track, NTCIR-14, National Institute of Informatics

2017 **Student Volunteer**
ACM SIGIR 2017

MOOC CERTIFICATES (Coursera)

University of Washington	**Practical Predictive Analytics**
University of Washington	**Data Manipulation at Scale**
Stanford University	**Machine Learning**
Stanford University	**Algorithms: Design and Analysis**
John Hopkins University	**The Data Scientists Toolbox**
The University of Tokyo	**From the Big Bang to Dark Energy**
University of Pennsylvania	**Probability**
University of Illinois at Urbana-Champaign	**Pattern Discovery in Data Mining**
University of Illinois at Urbana-Champaign	**Text Retrieval and Search Engines**
University of Illinois at Urbana-Champaign	**Text Mining and Analytics**