

Xue (Effy) Li

Portfolio: effyli.github.io
Github: github.com/effyli

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Location: Amsterdam, Netherlands

EDUCATION

- **University of Amsterdam** Amsterdam, Netherlands
Ph.D candidate at INDElab *Oct. 2020 - 2024 (est.)*
Topic: Knowledge Graph Construction from Conversational Data. Focusing on Domain Adaptation for Information Extraction systems.
Supervisor: Prof. Paul Groth
- **University of Edinburgh** Edinburgh, United Kingdom
M.Sc in Artificial Intelligence *Sep. 2017 - Nov. 2018*
Thesis: Temporal Ordering of Historical Events, supervised by Prof. Shay Cohen in the NLP Group
Courses: Machine Learning and Pattern Recognition, Probabilistic Modelling and Reasoning, Accelerated Natural Language Processing
- **Guangzhou University** Guangzhou, China
B.Eng in Electronic Information Engineering *Sep. 2012 - Jun. 2016*
GPA: 88.2/100 (Top 1%)
Scholarships: Tianchuang Scholarship (2013-2014), twice; Second Prize Scholarship in Guangzhou University(09/2014)
Courses: Higher Mathematics(93%), Linear Algebra(92%), Probability and Stochastic Process(92%)

EXPERIENCE

- **Microsoft Research** Cambridge, United Kingdom
AI resident (Full-time) *Sep. 2018 - Sep. 2019*
 - **API Misuses Detection:** working with **Deep Programming Understanding Group**, applying Graph Neural Networks on C# source code ASTs to detect API misuses. Implemented both sequence-based and graph-based models using Pytorch. One of the first existing works explores using graphical representations for source code. Developed an extension demo for Visual Studio.
 - **Tailored Query Alteration models in Enterprise Search:** working with **Microsoft Assistant and Intelligence Group**, applying Kernel-based Neural Ranking models on compliant enterprise data to improve file/email search. Implemented a whole neural model training pipeline on encrypted data using Pytorch and improved the MRR by 16.7% from the BM25 baseline. DevOps is used for version control. Continuous Integration was used for carrying out tests.
- **Guangzhou Wuliudian Education Consulting Co., Ltd.** Guangzhou, China
Front-end Engineer, (Full-time) *May 2016 - Jun. 2017*
 - **WeChat mini program:** Working on developing program front pages based on the WeChat Mini program, developing the company homepage and the UI and VI design.

PUBLICATIONS AND PATENTS

- **Xue Li, Paul Groth, "How different is different? Systematically identifying distribution shifts and their impacts in NER datasets":** *Under review, 2022*
- **Xue Li, "Causal Domain Adaptation for Information Extraction from Complex Conversations":** ESWC, PhD Symposium, 2022 [pdf]
- **Xue Li, Sara Magliacane and Paul Groth, "The Challenges of Cross-Document Coreference Resolution for Email":** KCAP,2021, [pdf]
- **Patent, "Automatic Timing and Information Releasing System in Multimedia Classrooms ":** Application Number: Application Number: CN201420390900.7 Publication Number: CN204536747U, 2015 [link]
- **Patent, "Ball Balancing Game Device Based on Wireless Data Transmission Technology and Gravity Sensing Control":** Application Number: CN201410337301.3 Publication Number: CN104096358A, 2014 [link]

HONORS AND AWARDS

- People's Choice winner for Microsoft Hackathon - July, 2019
- Third place and the Best Interaction Prize in Guangzhou's 2nd Hackathon - June, 2015
- National University Students Innovation and Entrepreneurship Training Program - June, 2014
- Provincial University Students Innovation and Entrepreneurship Training Program - June, 2014
- Champion of Guangzhou's first Hackathon - April, 2014
- Champion of Robot Competition in Guangzhou University - September, 2013

SKILLS SUMMARY

- **Languages:** Mandarin (Native), English (Fluent)
- **Programming Languages:** Python, C#, C, JavaScript
- **Frameworks:** Pytorch, Keras, Numpy, Huggingface
- **Tools:** L^AT_EX, GIT, GPU Training, Photoshop, Sketch