

Alexander Fabbri

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EDUCATION

Yale University, New Haven, CT Aug 2017-2022 (Expected)

PhD in Computer Science, specializing in Natural Language Processing

Relevant Coursework: Artificial Intelligence, Object Oriented Programming, Databases, Natural Language Processing, Deep Learning Theory and Applications, Advanced Natural Language Processing, Optimization Techniques, Topics in Theoretical Machine Learning

Columbia University, New York, NY Aug 2013-May 2017

BA in Data Science, GPA: 3.79

Awards: Dean's List every semester

Relevant Coursework: Analysis of Algorithms, Data Mining, Statistical Inference, Machine Learning, Linear Regression Models, Neural Networks and Deep Learning, Advanced Programming, Applied Data Mining

Columbia Reid Hall in Paris, Paris VII Denis Diderot, Paris, France January 2016-May 2016

Completed coursework in computational linguistics, numerical methods and French during semester abroad

EXPERIENCE

Language, Information and Learning at Yale lab, Yale University August 2017-Present

Graduate Research Assistant

- Works with Professor Dragomir Radev on projects related to summarization, text generation prerequisite chain learning and information retrieval to facilitate the education of scientific topics.
- Heads the AAN (All About NLP) project which maintains the largest manually curated search engine (<http://aan.how/>) of tutorials on Natural Language Processing.
- Worked on the IARPA-funded MATERIAL project on cross-lingual information retrieval. Worked on improving cutoff for length of retrieved ranked list.

Center for Computational Learning Systems, Columbia University May 2016 - May 2017

Undergraduate Research Assistant

- Worked in the Natural Language Processing group on fine-grained sentiment analysis under the direct supervision of Dr. Owen Rambow as part of the team's TAC KBP BeSt Evaluation submission during summer 2016.
- Worked with Dr. Smaranda Muresan and then PhD student Dr. Debanjan Ghosh on deep learning methods for irony and the effects of conversational context, resulting in our SIGdial conference publication which won best paper award.

Columbia Reid Hall in Paris, Columbia University Jan 2016 - May 2016

Undergraduate Research Assistant

- Worked on sentiment analysis of Twitter with Dr. Kata Gabor through Reid Hall's Directed Research Program. Conducted weekly meetings and gave a final presentation (in French) and submitted a 30-page mémoire (in English).

PUBLICATIONS

- "Multi-News: The First Large-Scale Multi-Document News Dataset and Integration of MMR into Pointer-Generator Networks by **Alexander R. Fabbri**, Irene Li, Tianwei She, Suyi Li, and Dragomir Radev in submission at ACL 2019.
- "[What Should I Learn First: Introducing LectureBank for NLP Education and Prerequisite Chain Learning](#)" by Irene Li, **Alexander R. Fabbri**, Robert Tung, and Dragomir Radev at AAAI, Jan 2019.
- "[ScisummNet: A Large Annotated Corpus and Content-Impact Models for Scientific Paper Summarization with Citation Networks](#)" by Michihiro Yasunaga, Jungo Kasai, Rui Zhang, **Alexander R. Fabbri**, Irene Li, Dan Friedman, and Dragomir Radev at AAAI, Jan 2019.
- "[TutorialBank: Using a Manually-Collected Corpus for Prerequisite Chains, Survey Extraction and Resource Recommendation](#)" by **Alexander R. Fabbri**, Irene Li, Prawat Trairatvorakul, Yijiao He, Weitai Ting, Robert Tung, Caitlin Westerfield and Dragomir Radev at ACL, Jul 2018.
- "[The Role of Conversation Context for Sarcasm Detection in Online Interactions](#)" by Debanjan Ghosh, **Alexander R. Fabbri**, Smaranda Muresan at SIGdial, Aug 2017. **Best Paper Award**.

SKILLS & ADDITIONAL INFORMATION

- Python, PyTorch, Tensorflow, Java, SQL, R, C/C++
- French (TCF: Level C2); Polish (fluent)
- National Chess Master
- Second-degree black belt in Kempo Martial Arts