ZHILIN WANG

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EDUCATION

University of Cambridge BA Education, Psychology and Learning   Oct 2017 - Jun 2020
- President, Education Society
- Dissertation: Computational measurement of empathy using students' writing
- Specialized in Educational Technology involving Natural Language Processing applications

Online Courses Computer Science and Natural Language Processing   Jan 2017 - Current
- **Imperial College London** Linear Algebra and Multivariate Calculus
- **MIT** 6.00 Introduction to Computer Science, 6.006 Introduction to Algorithms, and 11.132 Design and Development of Educational Technology
- **Stanford** CS124 From Language to Information, CS224N Natural Language Processing with Deep Learning, and CS229 Machine Learning

PROJECT EXPERIENCE

learnAh.uk Founder / Leader in team of four   Oct 2018 - Jun 2019
- Helps teachers to make science fun to learn by recommending relevant popular science videos using machine-learning based text analysis (Latent Semantic Indexing & Latent Dirichlet Allocation) **Try it**
- Deployed on a Python Django-based website and accessible to thrid-party through REST API
- UCL Institute of Education Knowledge Lab EDUCATE Graduate (with EU grant) + Y Combinator Startup School Graduate + Runner-up, Cambridge University Entrepreneurs competition (Social Enterprise)

learnAh.org Founder / Leader in team of five   Oct 2017 - Sep 2018
- Chemistry students can take a picture of a question they have trouble with to obtain videos and study notes as well as similar explained questions in order to solve the question **Try it**
- Helped >10,000 students + Winner, Cambridge University Engineering Society Ventures 2018 (Social Impact) + AngelHack London 2018 Grand Prize

WORK EXPERIENCE

New Oriental AI Research Institute Natural Language Processing Intern   Jul - Sep 2019
- Researched on the use of active learning techniques to make the labelling of samples for supervised learning more effective for paragraph-level text classification. **Code | Findings**
- Created knowledge map for a secondary school Physics curriculum to link classroom recordings to content

University of Cambridge Computer Laboratory Natural Language Processing Intern Jul - Sep 2018
- Low-income students in India struggle with word problems in English, hindering their learning of math.
- Developed web-app that translates questions into their mother tongue and finds definitions of difficult words in a just-in-time manner. **Code | Demo**

PUBLICATIONS/AWARDS

- **Zhilin Wang**, Weizhe Lin, Elena Rastorgueva and Xiaodong Wu. 2019. Identifying the most similar movie characters. *Under Review (Available upon request)*
- **Zhilin Wang**, Weizhe Lin, Elena Rastorgueva and Xiaodong Wu. 2019. Clustering help-seeking posts on Reddit. *Under Review (Available upon request)*
- **Zhilin Wang**, Elena Rastorgueva, Weizhe Lin and Xiaodong Wu. 2019. No, you're not alone: A better way to find people with similar experiences on Reddit. In *Proceedings of W-NUT at EMNLP*. **Read**
- **Zhilin Wang**, Andrew Caines, Russell Moore, Paula Buttery and Ianthi Tsimpli. 2018. Developing a prototype web-app for numeracy assessment and teaching. In *Cambridge Language Sciences Symposium*. **Read**
- Google Science Fair Global Finalist 2015 (Top 20 / >5,000) **Details | Press**

TECHNICAL SKILLS

- **Natural Language Processing**: PyTorch, Transformers, Keras, Scikit-Learn, Gensim, NLTK, SQL and Shell
- **Web Development**: HTML, CSS, Bootstrap, JavaScript, AJAX, Flask and Django