

# ZHILIN WANG

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## EDUCATION

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**University of Washington** MS Computational Linguistics (NLP) Oct 2020 - Sep 2021

- Natural Language Processing, Artificial Intelligence, Dialogue Systems, Affective Computing *GPA 4.0/4.0*
- Google Computer Science Research Mentorship Program Participant

**University of Cambridge** BA Education, Psychology and Learning Oct 2017 - Jul 2020

- President, Cambridge University Education Society
- Thesis: Understanding the Language of Subjective Well-being [pdf](#)

**Online Courses** Math, Computer Science and Natural Language Processing Jan 2017 - Feb 2020

- **Imperial College London** Linear Algebra and Multivariate Calculus
- **MIT** Intro to Computer Science, Intro to Algorithms, Computational Probability
- **Stanford** From Language to Information, NLP with Deep Learning, Machine Learning

## WORK EXPERIENCE

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**University of Washington Allen School of Computer Science** Research Assistant Oct 20 - Sep 2021

- Predicting structured data (personal attributes and event relations) from language advised by Prof. Noah Smith

**Amazon Alexa AI Knowledge** Software Engineering Intern Jun - Sep 2020

- Improved Entity Resolution by 80% using knowledge graph embeddings and NLP algorithms (e.g. Viterbi)
- Built an internal Python package, which is modular and extensible, to facilitate rapid experimentation

**University of Cambridge Psychometrics Centre** Research Intern Jan - Jun 2020

- Researched on predicting psychological traits based on text in digital diary entries

**University of Cambridge Computer Laboratory** Research Intern (NLP group) Jul - Sep 2018

- Developed web-app that scaffolds children's learning of math word problems. [Code](#) | [Demo](#) | [Poster](#)

## PUBLICATIONS/RESEARCH PROJECTS

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- **Zhilin Wang**, Xuhui Zhou, Rik Koncel-Kedziorski, Alex Marin, Fei Xia. 2021. Extracting and Inferring Personal Attributes from Dialogue *Under Review* [Code](#) | [Paper](#)
- **Zhilin Wang**, Anna Jafarpour, Maarten Sap. 2021. Plot Twist: Uncovering Surprising Event Boundaries in Narratives *Under Review* [Code](#) | [Paper](#)
- **Zhilin Wang**, Pablo Torres. 2021. Beyond Annotations: Labelling Empathy from the Listener's Perspective. *Under Submission* [Code](#) | [Paper](#) | [Honors thesis](#)
- **Zhilin Wang**, Weizhe Lin, Xiaodong Wu. 2021. Learning Similarity between Movie Characters and Its Potential Implications on Understanding Human Experiences. In *Proceedings of WNU at NAACL* [Code](#) | [Paper](#)
- **Zhilin Wang**, Elena Rastorgueva, Weizhe Lin, 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*. [Paper](#)

## PRODUCT-FOCUSED PROJECTS

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**learnAh.uk** Leader in team of four / Fullstack developer Oct 2018 - Jun 2019

- Recommends lesson-specific popular science videos to make learning science fun [Demo](#)
- Y Combinator Startup School Graduate + UCL Institute of Education EDUCATE Graduate (with EU grant)

**learnAh.org** Leader in team of five / Fullstack developer Oct 2017 - Sep 2018

- Recommends question-specific tutorial videos, study notes and explained questions to support students [Demo](#)
- Helped >100k students + Cambridge Uni Engineering Ventures First Prize + AngelHack London Grand Prize

## TECHNICAL SKILLS/SERVICE

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- **Natural Language Processing**: Python, PyTorch, Keras, SQL and Shell
- **Web Development**: Flask, Django, HTML, CSS, Bootstrap, JavaScript and AJAX,
- **Program Committee**: EMNLP 2021 and Personal Knowledge Graphs Workshop @ AKBC 2021