Weizhe Lin

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Education

Trinity College, University of Cambridge   10/2017 – 06/2021

M.Eng Information Engineering - Full Oversea Scholarship & Camrbidge Trust Scholarship
Airbus Defense and Space Prize 2018 for Mars Lander Design and Programming Contest (Runner Up)
Member of Computer Vision Team in Robotics Society

The University of Hong Kong   08/2016 – 06/2017
B. Eng GPA 4.09/4.3 - HKU Entrance Scholarship
Centenary Prize for Top 3 Information, Electrical and Electronics Engineering Final Project

Xiamen No.1 High School of Fujian, China   09/2013 – 06/2016
Ranked 68 out of 200,000 in Joint College Entrance Examination, Fujian Province, China
Silver Medal in Chinese Physics Olympiad (Fujian Division)

Work Experience

Researcher at Computer Laboratory, University of Cambridge   06/2019 – 09/2019

- Proposed a network-based novel multi-modal feature fusion framework which can be utilised to make prediction of psychological disorder
- Developed a self-adaptor(fidgeting) detection system and applied it to investigate automated detection of psychological distress
- 2 papers currently under conference review, one as first author and the other as second author, available on request

Software Development Contractor for Bingo Century Investment Management Limited

- Independently developed a real-time news crawling and monitoring system with front-end presentation and server-end analysis
- Currently developing an event-driven stock prediction system using Natural Language Processing techniques.

Cloud Engineering Intern in Informetis Europe Ltd.   08/2018 – 09/2018

- Developed a Python Django-based website which tracks usage data by IoT devices in Power Supply monitors (which the company manufactures). This information then helps machine learning engineers to develop more accurate algorithm to predict how energy is used by various electrical appliances
- Gained skills in database management, involving the use of MySQL, Google Bigtable and Redis Caching.

Projects

LearnAh.uk - teach science the fun way using popular science videos   2018 - 2019

- Recommends popular videos using techniques of machine-learning based text analysis (Latent Semantic Indexing & Latent Dirichlet Allocation) based on teaching plans - **Link**
- UCL Institute of Education Knowledge Lab EDUCATE Graduate (with EU grant) + Y Combinator Startup School Graduate + Runner-up, Cambridge University Entrepreneur £2,000 competition (Social Enterprise)

WIFI Guard   2014 – 2015

- Patent Number: 2016SR049201 (CHINA)
- An android application which monitors the data usage and therefore prevents background data traffic abuse
- 3rd in Computer Science (category) of the 15th Awards Program for Future Scientists (National)

Virus Protection Assistant   2012 – 2014

- 10 modules, more than 100,000 lines of code
- A completed anti-virus software which is able to catch the virus based on "behavior analysis"
- Gold Medal in 30th Fujian Adolescents Science Technology & Innovation Contest, China

Achievements

Publications

- Zhilin Wang, Elena Rastorgueva, Weizhe Lin and Xiaodong Wu. No you're not alone A better way to find people with similar experiences on Reddit. 2019. In *Proceedings of the 2019 EMNLP Workshop W-NUT: The 5th Workshop on Noisy User-generated Text*. **Read**
- Zhilin Wang, Xiaodong Wu, Weizhe Lin and Elena Rastorgueva. Detecting personal attributes through analyzing online forums. 2019. In *Cambridge Language Sciences Early Careers Researchers Symposium*. **Read**

Technical Skills

- Machine Learning: Computer Vision and Natural Language Processing
- Software Engineering: Programming (C++/Python/Java/Visual Basic), Cloud Engineering(Django/SQL/JavaScript)