

# Yuwei Jiao

Kings tower, 812 King St W, Kitchener, On N2G 1E9, Canada

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## Education

### Computer Science, Thesis Based, Artificial Intelligence Group

University of Waterloo

CANDIDATE FOR MASTER OF MATHEMATICS, AVERAGE GRADE: NAN

2016. 9 - Exp. 2018. 4

- Algorithm Design & Analysis, Software Engineering for **Big Data**, Models and Applications of **Distributed Data Processing Systems**

### Computer Science

University of Waterloo

EXCHANGE PROGRAM, AVERAGE GRADE: 90/100

2015. 9 - 2016. 4

- Introduction to Artificial Intelligence, **User Interface**, Introduction to Database Management, **Distributed Systems**, Numeric Computation For Financial Modeling

### Computer Science and Technology

Tsinghua University

BACHELOR OF ENGINEERING, AVERAGE GRADE: 86/100

2012. 9 - 2016. 7

- Introduction to Machine Learning, Introduction to **Artificial Intelligence**, Artificial Neural Networks, Fundamentals of Computer Graphics, **Software Engineering**, Operating Systems, **Theory of Computer Network**

## Skills

**Programming** C/C++, Java, Python, Matlab, Javascript, HTML5, CSS, Bootstrap, PHP, SQL, jQuery, Jekyll, Hadoop, Spark

**Dev Tools** Windows, Linux/Unix, Mac OS, Vim, Sublime, Bash, Git, SVN, Latex, Markdown, TensorFlow, Caffe

## Experience

### xuetangX.com

Beijing, China

RESEARCH INTERN, DATA MINING GROUP

2016. 5 - 2016. 8

- Helped to build and improve a system to segment course subtitles into multi-paragraph subtopics using **texttiling** and **n-gram algorithms**.
- Extracted key words of each lesson and formed keywords cloud and mapped after-class exercises to each subtopic using several classification algorithms including **Bayesian**, **SVM** and **KDD**.

### University of Waterloo

Waterloo, Canada

UNDERGRADUATE RESEARCH ASSISTANT, SUPERVISED BY PROFESSOR JESSE HOEY

2016. 1 - 2016. 5

- Research: Social Dilemmas: From Rational to Human Perspectives.
- Started from a purely rational standpoint to human solutions and the evolution of cooperation. Completed a paper review based on twelve related publications in biology, psychology and computer science area.
- Applied **humans' emotions** and **social interactions** to intelligence machine. Tested on Iterated Prisoner's Dilemma Games with better performance than other agents and similar behavior graph with human player.

### Tencent

Shenzhen, China

SOFTWARE ENGINEERING INTERN

2015. 7 - 2015. 8

- Developed Online Poster Maker Application. Written in **php + SQL** on the server end and **HTML5 + CSS + javascript** on the front end. Implemented in **Lithium MVC Framework**.
- The application is now used in official accounts management supported by Wechat.

### University of Melbourne

Melbourne, Australia

UNDERGRADUATE RESEARCH ASSISTANT, SUPERVISED BY PROFESSOR RUI ZHANG

2015. 1 - 2015. 2

- Research: A new method to Suffix Tree optimization.
- Raised updating efficiency by optimize updating path between activated nodes and ending nodes in **Suffix Tree**. Awarded a prize in "Data Analytics, Information Retrieval and Algorithms" in the final evaluation.