

# Zhaohao Zeng

## CONTACT

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## EDUCATION

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| Sep 2015 - PRESENT  | <b>Waseda University, Tokyo</b><br><i>Master of Engineering in Computer Science</i><br>Advisor: Prof. Tetsuya Sakai   |
| Sep 2013 - Jun 2015 | <b>University of Liverpool, Liverpool</b><br><i>Bachelor of Engineering with Honours in Electronics</i>   |
| Sep 2011 - Sep 2013 | <b>Xi'an Jiaotong-Liverpool University, Soochow City</b><br><i>Bachelor of Engineering in Electronics Science and Technology</i><br>(Transferred to the UOL after completing Year-0 and Year-1) |

## RESEARCH PROJECTS

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| Oct 2015 - PRESENT  | <b>Cross-Device Targeting with Big Data</b><br>Major contributor, Collaborator: Dr. Young-in Song<br><br>Applying unsupervised learning algorithms on the data provided by WiderPlanet Co. to target different devices for serving targeted advertising to consumers across multiple digital devices such as PC, smart phone and tablet. Due to the kind help from the WiderPlanet Co., a dataset contains billions internet browsing log of South Korean users can be used in the research for analyse. The paper about this project may be the first article about cross-device targeting which is extremely important for online adverting.  |
| Sep 2014 - May 2015 | <b>Automatic Timetable Scheduling</b><br>Sole contributor, Advisor: Prof. Jason Ralph<br><br>Developed a genetic algorithm based solution to solve a university timetable scheduling problems. During the chromosome evolution, a feasible timetable was produced intelligently by simulating the evolution of species. Also, I proposed an approach that applying closed pattern mining to pre-process input data could help the algorithm runs faster. In addition, the project compared different selection method and parameters and have got a suitable setting for the specific timetable problem. The tuned program was tested with a relatively large test set and the performance is acceptable. |
| Jan 2014 - Mar 2014 | <b>Robotic Arm Control Over Wi-Fi</b><br>Major contributor, Advisor: Prof. Alan Marshall<br><br>Successfully controlled a Robai Cyton Gamma arm with Wi-Fi. By developing a program on an Arduino development board, a general Wi-Fi module was designed. It makes any device which has a USB port become wireless. My responsibility is to make a development plan and system design.  |

## SCHOLARSHIPS & FUNDING

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Oct 2015 – Mar 2016	<b>Monbukagakusho Honours Scholarship</b> by The Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japanese Government.
Sep 2015 – Sep 2016	<b>Partial Tuition-waiver Scholarship</b> by Waseda University
Sep 2013 – Jun 2015	<b>Partial Tuition-waiver Scholarship</b> by University of Liverpool

## EMPLOYMENT

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Dec 2012 – Feb 2013	<b>Bank of East Asia, Soochow City</b> Intern, Corporate Banking Office  The responsibility was analysing the financial statement of companies requesting loans, and writing reports to illuminate the financial status of each client company to the loan checking-up and granting office. Successfully completed several loan applications for client companies. Also, I got a better understanding of the basic knowledge of operation procedure in a large corporation during the internship.
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## MOOC CERTIFICATES

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University of Washington	<b>Practical Predictive Analytics</b>
University of Washington	<b>Data Manipulation at Scale</b>
Stanford University	<b>Machine Learning</b>
Stanford University	<b>Algorithms: Design and Analysis</b>
John Hopkins University	<b>The Data Scientists Toolbox</b>
Tokyo University	<b>From the Big Bang to Dark Energy</b>
University of Pennsylvania	<b>Probability</b>
University of Illinois at Urbana-Champaign	<b>Pattern Discovery in Data Mining</b>
University of Illinois at Urbana-Champaign	<b>Text Retrieval and Search Engines</b>
University of Illinois at Urbana-Champaign	<b>Text Mining and Analytics</b>

## SKILLS

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IT:	C++, Python, R, OS X, Linux, SQL, Hadoop, Spark and LaTeX
Language:	English, Japanese, and Chinese