Wanqi Zhu

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EDUCATION

University of Chicago, Masters Program in Computer Science, 2014 – Present

Algorithms & Advanced Algorithms
- Profound understanding of abstract data structures, dynamic programming, graph algorithms, maximum flow, computational geometry, & linear programming.
- **Highest grade in the class**

Advanced Programming
- C implementation of various data structures and algorithms
- Multi-thread implementation of Dijkstra's algorithm; heap-based dictionary

Machine Learning
- Implemented models such as SVM, Random Forest, Naïve Bayes.

Computer Architecture
- Built home security device using Electric Imp, hardware & software, linked to online server

Also taken at University of Chicago: *Intro to Software Engineering, Mathematical Logic I & II, Intro to Microeconomics, Social Psychology, Building a New Venture.*

University of Chicago Laboratory Schools, 2011 - Present
Tony Robbins Life Seminar, Unleash the Power Within & Date with Destiny, 2013 & 2015

WORK EXPERIENCE

Cofounder and CTO of **WillowFlare**, a consulting company that helps Chinese mobile game companies enter the U.S. by acquiring feedback and analytics from a panel of U.S. players.
- Entire web-app in Ruby on Rails ● Leading role in business planning & strategic vision

Paid Internship at **University of Chicago Computation Institute**, Summer '16
- Working with 10G data ● Using machine learning for topic labeling and author disambiguation

TA/Grader for **Masters Program in Computer Science** at **University of Chicago**, 2015-16
- Algorithms ● Discrete Math

OTHER EXPERIENCES

President at Canadian Secondary Schools Mathematics Association, 2015 - 2016
Co-author in BMC Bioinformatics publication**,** *Systematic computation […] acute myeloid leukemia*, February 24, 2015
Volunteer Mentor at MetroSquash, 2014 – 2015.

ACHIEVEMENTS

Won $10,000 as finalist in **UChicago Booth's New Venture Challenge '16**, the top rated University accelerator in the country, with **WillowFlare.**
Two times qualifier, **USA Mathematics Olympiad** (USAMO), 2015 & 16.
Platinum Level, **USA Computing Olympiad** (USACO)

Technical skills include:

- Programming: C, Python, HTML, Ruby on Rails, CSS, Javascript, PHP
- Algorithms ● Machine Learning ● Game Design
- Mathematical Modeling ● Data Analytics ● Software Development