

Wanqi Zhu

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EDUCATION

Stanford University, Undergraduate, 2017 – Present

- CS 107: Computer Organization and Systems - Math 61DM

University of Chicago, Masters Program in Computer Science (MPCS), 2014 – 2017

11 graduate and undergraduate classes taken while in high school: *Algorithms, Advanced Algorithms, Advanced Programming, Machine Learning, Computer Architecture, Intro to Software Engineering, Mathematical Logic I, Mathematical Logic II, Intro to Microeconomics, Social Psychology, Intro to Memory and Learning, Building a New Venture.*

- Profound understanding of abstract data structures, dynamic programming, graph algorithms, maximum flow, computational geometry, & linear programming.
 - Parallel programming & multi-thread optimization in C
 - Implemented Machine Learning models such as SVM, Random Forest, Naïve Bayes
 - Highest grade in Algorithms at age 14; invited back as a grader for graduate students
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WORK EXPERIENCE

Cofounder and CTO of **WillowFlare**, a startup that enable game developers to bring their games to new markets through feedback and analytics from local players, 2015 - Present

- Entire web-app built in Ruby on Rails
- Lead role in business planning & strategic vision
- Won Finalist in UChicago Booth's New Venture Challenge, 2016

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**, 2015-17

- Algorithms (3 quarters)
 - Discrete Math (3 quarters)
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OTHER EXPERIENCES

Organizer for **Treehacks**, Stanford's annual international hackathon with 800+ attendees.

Co-author in **BMC Bioinformatics** publication, *Systematic computation [...] acute myeloid leukemia*, February 24, 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**.

Won \$15,000 as 3rd place in **JDD Global Data Challenge** with ML solution and business model.

Won 4th place at **Facebook Global Hackathon**, livestreamed from Facebook's headquarters.

Won **Facebook's Favorite Hack** at **HackIllinois '17** with a BitCoin trading toolkit, CoinTK.

Three times qualifier, **USA Mathematics Olympiad** (USAMO), 15', 16', 17'

Platinum, **USA Computing Olympiad** (USACO), 16', 17'

Technical skills include:

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