

# YIAN TONG

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## EDUCATION

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### New York University

*Master of Science in Computer Science*

May 2019

*New York, NY*

### University of Illinois at Urbana-Champaign

*Bachelor of Engineering in General Engineering, Minor in Computer Science*

May 2015

*Urbana, IL*

- Dean's List: Top 20% of the class, Spring 2012; James Scholar: Maintain a 3.5 GPA, August 2011 - Spring 2013

## SKILLS

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### Language

Python, JavaScript, NodeJS, Java, C#, LaTeX

### Frameworks and Software

React, React Native, Git, MySQL, Android, D3, Express, Unity

## EXPERIENCE

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### InnoPartner Pte Ltd, Software Engineer Intern and Part-time

June 2018 - May 2019

*A startup funded by Nanyang Technological University and PCPartner*

*Singapore*

- Designed an air quality survey app from scratch, including the specification, system architecture and UI/UX.
- Implemented a front-end prototype alone by React Native to be used in the early customer product testing of 100.
- Proposed a multiple layer API for production in terms of a 5000+ user scale.

### Mech-O Ltd, Creator

January 2015 - December 2016

*A startup developed a set of programmable electrical building blocks based on Arduino*

*Shanghai, China*

- Invented the building blocks (idea and hardware) in the school lab and brought them to the market.
- Designed and developed a simplified cross-platform coding interface (like Blockly) with Unity, remodeled Arduino programming (C) and connected with the interface.
- Designed, developed and launched a material design website in mid 2015 as one of the first React websites in China.
- Led team of eight(four engineers, two business professionals, one designer, one tester) through more than five iterations, redefining strategy and shifting team to new vision.
- Attended over 20 road shows for fundraising, visited over 30 investors, including influential angel investors in China: Xiaoge Xiong, Xiaoping Xu(he provided recommendations for my grad school applications).

### DineLog, Creator & Android Developer

December 2013 - May 2015

*A location and interest based social app for finding dinner pals*

*Urbana, IL*

- Created a front-end Android app and initiated an alpha test with 100 local users involved.
- Redesigned the business model, UI/UX and the App based on feedback for three iterations. Launched to Google Play and App Store in 2014 (unpublished now) for beta test.

### ReadMe Ltd, Freelance Developer

August 2018 - October 2018

*An early childhood reading and learning startup*

*Shanghai, China*

- Reviewed the outsourced app (AngularJS), spotted 5+ critical bugs and provided optimal advice.
- Shortened 10% lines of the code and made the app 5% faster as a result.

### The Key School Ltd, Freelance Web Developer

July 2018 - August 2018

*A day care startup, <http://www.keyschoolchina.com/>*

*Shanghai, China*

- Designed and launched the early version website with React, NodeJS, Express and Alibaba Cloud alone in 2 weeks.

### Parnassus Productions Inc, Freelance Web Developer

July 2019 - Present

*<http://www.tandun.com/>*

*New York, NY*

- Redesigning the website for world famous composer Tan Dun.