

# David Yunxin Zhang

Software Developer

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"Fortunately, life is never easy."

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**EDUCATION** University of Illinois at Urbana Champaign - GPA: 4.00/4.00

**B.S. in Mathematics and Computer Science:** 2015 – 2019

- Data Structures, Algorithms, Discrete Math, Computer Architecture

**Minor in Business:** 2016 – 2018

- Microeconomics, Statistics with R Programing

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**WORK** **Undergraduate Researcher in Math Dept.:** Since Aug, 2016

- perform computerized research in number theories
- design statistical tests to detect fake randomness: [fakrandom.cf](https://fakrandom.cf)
- create a forecast app with R and Python based solely on past data

**CS Course Assistant:** Spring and Fall Semester, 2016

- organize lab and discussion sections for students
- hold office hours and answer questions online
- practice pedagogy, cooperation and communication skills

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**PROJECT** **Project Euler:** Fall 2015 – Now

- Project Euler ([projecteuler.net](https://projecteuler.net)) is a collection of challenging math problems that also requires coding.
- So far, I have successfully solved about 70+ problems and posted my thoughts, comments and source code in Github.
- I enjoy these math challenges for the happiness of accomplishment and new knowledge I learned both in math and algorithms.

**What2Wear:** Fall 2015

- What2Wear ([github.com/What2Wear](https://github.com/What2Wear)) is a group project for Web and Android that helps people decide what to wear based on weather and personal preferences.
- I constructed the front-end of the webpage with Bootstrap, designed mobile UI and coded for the Android app.

**Github:** Spring 2015 - Now

- Code for fun and keep learning! ([github.com/yx-z](https://github.com/yx-z))
- I maintained a notebook in Markdown and LaTeX, created a web crawler with JSoup to get information about local restaurants, and built several games in Java and JavaScript for entertainment.

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**SKILL** **Programming:**

- Familiar: Java SE (including Java 8), Android Development
- Experience: Java Web, HTML/CSS/JavaScript, MySQL, Kotlin R, C++, Python

**Tool:**

- Familiar: Vim, Zsh, Git, IntelliJ IDEA, Tomcat, Photoshop, LaTeX

**Extracurricular:**

- Experience: Rubik's Cube, Sudoku, Magic Tricks