

David Yunxin Zhang

Software Developer

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"Fortunately, life is never easy."

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

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

- perform computerized research in number theories
- design statistical tests to detect fake randomness: fak randomness.cf
- create a forecast app solely based on past data with R and Python

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

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

- Project Euler (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) 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)
- 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.

SKILL **Programming:**

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

Tool:

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

Extracurricular:

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