

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 programming

WORK **Undergraduate Researcher in Math Dept.:** Fall 2016 – Now

- create a forecast app in R and Python solely based on analysis of past data
- perform computerized mathematical research in number theories
- design statistical tests to detect fake randomness: [fakerandom.cf](#)

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

EXPERIENCE **What2Wear:** Fall 2015

github.com/What2Wear is a group project for Web and Android that helps people decide what to wear based on weather and their personal preferences.

- constructed the front-end of the Web App with Bootstrap
- designed mobile UI and coded for the Android app

Project Euler: Fall 2015 – Now

github.com/yx-z/ProjectEuler is a set of challenging math problems that also requires coding.

- solved 70+ problems and posted source code in Github
- learned algorithms and math background in depth as research topics

Github Repositories: Spring 2015 - Now

- created a web crawler with JSoup to get posts about restaurants and novels
- developed Android apps such as timer, fighting games
- built cross-platform RPG games in JavaScript and receive hundreds of views
- keep notes of classic programming books, new libraries and online tutorials

CS Community Membership: Fall 2015 - Now

- ACM SIG-Mobile: give weekly tutorials about Android development.
- ADSA: attend workshops on data sciences, volunteered at Big Data Summit

SKILL **Programming:**

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

Tools:

- Vim, Zsh, Git, IntelliJ IDEA, Tomcat, Photoshop, Markdown, LaTeX

Extracurricular:

- Rubik's Cube, Sudoku, Magic Tricks