David Yunxin Zhang Software Developer

(217) 721-5700 | [yzhng223@illinois.edu](mailto:yzhng223@illinois.edu%20) | [yx-z.github.io](https://yx-z.github.io/) “*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 |
| 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](http://www.math.illinois.edu/~ajh/fakerandomness/)   **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](https://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](https://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   **ACM Membership：**Fall 2015 - Now   * join Special Interest Group (SIG) such as SIG-Mobile and WebMonkeys * attend weekly SIG meetings, pitch ideas and work on projects |
| Skill |  | **Programming:**   * Java SE (including Java 8), Android Development, Java Web, HTML/CSS/JavaScript, R, C++, Kotlin, MySQL, Python, Ruby   **Tool****s:**   * Vim, Zsh, Git, IntelliJ IDEA, Tomcat, Photoshop, Markdown, LaTex   **Extracurricular:**   * Rubik’s Cube, Sudoku, Magic Tricks |