David Yunxin Zhang

Software Developer

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"Fortunately, life is never easy."

EDUCATION

University of Illinois at Urbana Champaign

- Cumulative GPA: 4.0/4.0
- James Scholar Honor

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 Department：Since Aug, 2016

- perform computerized research in number theories
- design tests in JavaScript to detect fake randomness: fakerandom.cf
- create weather 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

PROJECT

Project Euler: Fall 2015 - Now

Project Euler is a collection of challenging math problems that also requires coding. So far, I have successfully solved about 70+ problems and posted my thoughts and source codes in Github. I enjoy these math challenges for the happiness of accomplishment and new knowledge I learned in math.

What2Wear: Fall 2015

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 UI and coded for the Android app.

Github: Spring 2015 - Now

Code for fun and keep learning! I maintained a notebook in Markdown and LaTex, created a web crawler with JSoup to get information about local restaurants, and built several games with JavaScript for entertainment.

SKILL

Programming:

Familiar: Java SE, Android Development

Experience: Java EE/Web, HTML/CSS/JavaScript, MySQL, Kotlin, R, C++, Python

Tool:

Familiar: Vim, Zsh, Git, IntelliJ IDEA, Tomcat, Photoshop, LaTex

Personal:

Experience: Rubik's Cube, Sudoku