

# DAVID YUNXIN ZHANG

(217)721-5700 ♦ yzhng223@illinois.edu

Github: yx-z ♦ Linkedin: david-y-zhang

## EDUCATION

---

### University of Illinois at Urbana-Champaign

*Aug 2015 - May 2019*

- Bachelor of Science in Mathematics and Computer Science
- Minor in Statistics

GPA: 4.0

## POSITIONS

---

### Product Labs

*Software Engineer*

Salt Lake City, UT

*Oct 2017 - Present*

- build a SaaS platform with **Amazon Marketplace Web Service** to help e-commerce businesses grow
- collect, analyze, and visualize sales data for clients with **MySQL**, **PHP** and **Highcharts**

### Cyber Physical Systems Integration Lab

*Research Assistant*

Champaign, IL

*Jan 2017 - Present*

- perform GUI tests with **Ranorex** automation and write detailed documentation in **codeBeamer**
- reduced boot time for a Heart Transplant System in **Java Swing** by optimizing caching mechanism

### EnterpriseWorks — Research Park

*Web Developer*

Champaign, IL

*May 2017 - Oct 2017*

- maintained **Salesforce** database, and constructed web applications with **Visualforce** and **Apex**
- developed and deployed over 10 websites for startup companies with **Bootstrap**, **jQuery**, and **d3.js**

## EXPERIENCE

---

### Cornfield Coders Group

*Feb 2017 - Present*

- **founding member** of the Registered Student Organization
- take projects from companies and departments within the university and **lead** group members to work on them
- visualized multi-layered geologic data in 3D with **plotly.js**

### Weather Forecast Analysis

*Sep 2016 - May 2017*

- collected 10 GB of weather data automatically in **Python** and **Shell Script** with **Cron** for 4000 locations
- built climatology, persistence, multiple linear regression and other statistical models with **R**
- created interactive climate maps with Google **Fusion Tables** for data visualization

## SKILLS

---

### Programming Languages

- Java (Functional, Stream API and Design Patterns), Kotlin, HTML, CSS, JavaScript, Python, SQL, C, C++

### Development Tools

- IntelliJ IDEA (and JetBrains Platform), Vim, Git, Linux, SVN, Android Studio, Eclipse,  $\text{\LaTeX}$

## AWARDS

---

- Honorable Mention (top 20% of all participants)
- Outstanding Poster (top 15% of 300 projects)
- Dean's List (top 20% GPA ranking)
- James Scholar

The Mathematical Contest in Modeling, *Apr 2017*

Joint Math Meeting, *Jan 2017*

College of Liberal Arts and Sciences, *Dec 2016*

College of Liberal Arts and Sciences, *Jan 2016*