

# DAVID YUNXIN ZHANG

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## EDUCATION

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### 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

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### EnterpriseWorks — Research Park

Champaign, IL

*Web Developer*

*May 2017 - Present*

- maintain **Salesforce** database, analyze user data and construct web applications in **Visualforce** and **Apex**
- developed and deployed over 10 websites for startup companies with **Bootstrap**, **jQuery**, and **d3.js**

### Cyber Physical Systems Integration Lab

Champaign, IL

*Research Assistant*

*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

### Socio-Technical Risk Analysis Lab

Champaign, IL

*Research Assistant*

*Jan 2017 - May 2017*

- implemented a Fault Tree evaluation module with **boolean algebra** support and probability calculation
- built a *Probabilistic Risk Analysis* software with **JavaFx** GUI framework and **JFoenix** Material Design library

## EXPERIENCE

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### Cornfield Coders Group

*Feb 2017 - Present*

- **founding member** of the Registered Student Organization
- take projects from companies and clients within the university and **lead** group members to work on them
- visualized the **geological data** in 2D with **d3.js** and in 3D with **plotly.js**

### Weather Forecast Analysis

*Sep 2016 - Apr 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** in R
- created interactive maps with Google **Fusion Tables** for data visualization

## SKILLS

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### Programming

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

### Tools

- Vim, Git, Android Studio, IntelliJ IDEA, Zsh, Eclipse, Photoshop, Markdown, L<sup>A</sup>T<sub>E</sub>X

## AWARDS

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- Honorable Mention (top 20% of all participants) The Mathematical Contest in Modeling, *Apr 2017*
- Outstanding Poster (top 15% of 300 projects) Joint Math Meeting, *Jan 2017*
- Dean's List (top 20% GPA ranking) College of Liberal Arts and Sciences, *Dec 2016*
- James Scholar College of Liberal Arts and Sciences, *Jan 2016*