DAVID YUNXIN ZHANG

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EDUCATION

University of Illinois at Urbana-Champaign *Aug 2015 - May 2019*
- Bachelor of Science in Mathematics and Computer Science   GPA: 4.0
- Minor in Statistics

POSITIONS

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 **jQuery** and **WordPress** Framework

Cyber Physical Systems Integration Lab Champaign, IL
Research Assistant *Jan 2017 - Present*
- reduced boot time for a Heart Transplant System in **Java Swing** by optimizing caching mechanism
- performed GUI tests with **Ranorex** automation and wrote detailed documentation in **codeBeamer**

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

Cornfield Coders Group *Feb 2017 - Present*
- **founding member** of the Registered Student Organization
- aim at taking projects from companies and clients within UIUC and **leading** students 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 daily 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

Programming
- Java 8, Android, Kotlin, HTML, CSS, JavaScript, C++, Python, R, MySQL

Tools
- Vim, Git, Android Studio, IntelliJ IDEA, Zsh, Eclipse, Photoshop, Markdown, LaTeX

AWARDS

- 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*