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 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**, **Bootstrap**, and **WordPress**

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

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

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, 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*
· James Scholar College of Liberal Arts and Sciences, *Jan 2016*