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: 4.0/4.0

POSITIONS

Yahoo! May 2018 - Aug 2018
Data Engineer Intern
· worked in the **Data Highway** team that facilitates petabytes of big data transportation
· designed and implemented a web service with **Jetty** and **Redis** that reports event counts and data loss
· deployed the web service to multiple hosts in different geolocations with **Chef** automation platform

Cyber Physical Systems Integration Lab Jan 2017 - May 2018
Research Assistant
· integrated Epic API to get medical data with fluent interface and parsed XML responses with **JAXB**
· performed GUI tests with **Ranorex** automation and wrote detailed documentation in **codeBeamer**

EnterpriseWorks — Research Park Apr 2017 - Oct 2017
Web Developer
· 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**

PROJECTS

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, LaTeX

HONORS

· 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*