

Yilin Xia

DATA RESEARCHER · DATA ANALYST

The Data Exploration Lab, 505 E Green St, Champaign, IL 61820

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Research Interest

Data Visualization; Visual Programming; Data Management; Computational Workflow and Reproducibility

Education

University of Illinois at Urbana-Champaign

MASTER OF SCIENCE IN INFORMATION MANAGEMENT (3.97/4.00)

Illinois, USA

Expected Date: May 2020

Advisor: co-advised by Bertram Ludäscher and Matthew J Turk

Southwestern University of Finance and Economics

BACHELOR OF SCIENCE IN INFO MANAGEMENT AND INFO SYSTEM (3.60/4.00)

Chengdu, China

Graduation Date: Jun. 2018

Advisor: co-advised by Cheng Yang (Dean of Info Management and Info System) and Xun Lin (CTO of Yanfei Technology Co., Ltd)

Research Experience

Research Intern, DataONE

UNDER ADVISOR BERTRAM LUDÄSCHER, SPONSORED BY NSF

New Mexico, USA

May. 2019 - PRESENT

- Conducted research on the popularity of provenance tools used in the sciences and presented a poster at 2019 DataONE AHM
- Reproduced data processing procedure explained in the Data Descriptor (Peters,2018) by connecting research objects

Research Assistant, NCSA

UNDER ADVISOR MATTHEW TURK, GROUP LEADER OF THE DATA EXPLORATION LAB AT NCSA

Illinois, USA

Sep. 2018 - PRESENT

- Performed preliminary research on existing MakeCode platforms
- Participated in the development of blocks by Google Blockly Developer Tools

Research Intern, Tsinghua University

UNDER ADVISOR YAFEI XUE, DATA-PI DIRECTOR

Beijing, China

Jan. 2016 - Jun. 2017

- Involved in the research "Exploring Data-Driven Industry of China" with a nationwide publication "A Roadmap to a Top Data-driven Enterprise"
- Designed a mind map of Python based on knowledge structure to help data community learn programming language more efficiently

Professional Experience

Data Maintenance Intern, AIRBUS

GENERAL PROCUREMENT

Beijing, China

Apr. 2018-Aug. 2018

- Created UML Diagrams by communicating with different departments regarding request process workflow and logistic relationship of attributes
- Developed Access database and implemented functions help generating weekly reports for decision-making

Data Analyst Intern, SCYF

R&D, SICHUAN YANFEI TECHNOLOGY CO., LTD

Chengdu, China

Jun. 2017-Feb. 2018

- Coordinated with principals of each county for data cleaning and variables selection to ensure meaningful and analyzable salary data
- Applied superior analytical abilities and data mining skills on cleaned data, and visualized salary data by Tableau

Selected Project

An Instant-International Remittance Platform Based on Bitcoins

TEAM LEADER

Xi'an, China

May. 2016-Apr. 2017

- Collaborated with Cheng Yang (Dean of Info Management and Info System) to build the architecture of remittance platform
- Awarded as the National 3rd Prize in 2016 Citi Financial Innovation Application Competition with \$1,500 and the National 3rd prize of 2017 Hangzhou College Student Entrepreneur Competition with \$2,000

Skills

Programming	Proficient in Python, R, SQL, HTML/CSS, JavaScript, Git, Bash; Familiar with Java, C/C++
Software	Proficient in OpenRefine, Tableau, Vega-lite; Familiar with SAS, SPSS, Weka
Python Packages	Proficient in Numpy, Pandas, Matplotlib, bqplot, plotly, bokeh, bs4, selenium; Familiar with skit-learn