Chaoji Zuo

🕊Homepage

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EDUCATION

Rutgers University, *New Jersey, USA*
Ph.D. in Computer Science, GPA: 3.86/4.0   *Sep. 2020 – Present.*

Rutgers University, *New Jersey, USA*
M.S in Electrical and Computer Engineering, GPA: 3.83/4.0   *Sep. 2018 – May. 2020*

University of Electronic Science and Technology of China (UESTC), *Chengdu, China*
B.Eng in Software Engineering, GPA: 3.72/4.0   *Sep. 2015 – Jul. 2019*

PUBLICATION

Spine: Scaling up Programming-by-Negative-Example for String Filtering and Transformation
Chaoji Zuo, Sepehr Assadi and Deng Dong
Proceedings of the 2022 International Conference on Management of Data (SIGMOD'22) : 521-530.

CellRep: Usage Representativeness Modeling and Correction Based on Multiple City-Scale Cellular Networks
*Zhihan Fang, Guang Wang, Shuai Wang, **Chaoji Zuo**, Fan Zhang and Desheng Zhang*
Proceedings of the 2020 World Wide Web Conference (WWW'20) : 584-595.

EXPERIENCE

Database Group, Rutgers
Advisor: Prof. Dong Deng   *May. 2020 – Present.*
- Working on scalable data curation (textual data curation, structured data curation, and feature data curation).
- Focusing on building index and data structure for large scale high dimensional dense vector.

Cyber-Physical Systems Group, Rutgers
Advisor: Prof. Desheng Zhang and Dr. Zhihan Fang   *Nov. 2018 – May. 2020*
- Worked on data science research about Human mobility and Cyber-Physical Systems.
- Focused on data mining, data cleaning and visualization on large-scale geological and CDR data.

PROJECTS

Multilingual ASR data collection *Link*   *Mar. 2019 – May. 2019*
- Achieved automatic web crawler program on SBS News and WordProject to collect multilingual audios and their corresponding transcripts. Integrated these data as training data set.
- Won best capstone in research award and Top 10 capstone award.

Data analysis on Blood data *Advisor: Prof. Umer Hassan*   *Sept. 2018 – Dec. 2018*
- Focused on developing point-of-care (PoC) biosensors for infectious disease diagnostic application.
- Finished data analysis task using the electronic medical signal of blood.

AWARD

SIMGOD'22 Student Programming Contest — *Runner-Up*   2022
SIMGOD'21 Student Programming Contest — *Finalist*   2021
Rutgers ECE Capstone Design — *Best in Research Award*   2019

SKILLS & OTHERS

Languages and Scripts: Python, Java, C/C++, JavaScript, HTML+CSS, Latex
Framework: Node.js, PySpark, SQL, React Native, Flask, PyTorch
Mathematics: Calculus, Linear algebra, Probability Theory and Statistics