Zhijia Chen

zhijia.chen@temple.edu

SERC RM. 305, 1925 N 12TH | Philadelphia, PA 19122 | 267-968-5796

Education

Temple University   **Philadelphia, USA**

Degree: Ph.D. of Computer and Information Science   Sep. 2017 – present

Track: Information Systems

Harbin Institute of Technology   **Harbin, China**

Degree: Bachelor of Engineering in Information Engineering   Sep. 2012 – Jul. 2016

Major: Information Countermeasure Technology

Technical Skills

Programming Languages: Python, Java, C/C++, SQL, MATLAB, C#, JavaScript

Tools/Frameworks: PyTorch, TensorFlow, Docker, AWS, .NET, Qt, Selenium, Rally (CA Agile Central), Git

Publication

Chen, Z., Dragut, E. "Locating Dynamic Comment Regions in News Websites" (in submission)

Chen, Z., Wang, A. "(Demo) Boléro: Enabling Policy Innovation in Interdomain Routing", SOSR 2019

Wang, A., **Chen, Z.,** Yang, T., & Yu, M. "Enabling Policy Innovation in Interdomain Routing: A Software-Defined Approach", SOSR 2019

Wang, A., **Chen, Z.** "Internet Routing and Non-monotonic Reasoning", LPNMR 2019

Research Experience

Research Assistant, Temple University   **Philadelphia, USA**

Research topics: Web Data Extraction, Web Crawling, Graph Pattern Mining, Deep   Sep. 2017 – present
Learning, Software Defined Networking (SDN)

- Applied Graph Neural Network on semi-structured documents for record extraction and classification.
- Proposed a Web record extraction algorithm that tackles complex records not handled by the existing solution, including hierarchical records and records with user generated contents.
- Developed a universal user comment crawler that scrapes dynamically loaded user comments from any article Web page.
- Participated in the Ravel project (an open source SDN controller) and implemented a BGP routing app to support BGP policies.

Work Experience

Software Engineer, Fujian-HIT Research Institute   **Quanzhou, China**

Responsibility: backend development for desktop and Web apps, database   Aug. 2016 – Jul. 2017
management, communicate with customer for project requirements/specifications.

- Developed a distributed product serial number generation system for automatic packaging lines using C# and MySQL database.
- Developed a 3D data visualization module to help analyze the plantar pressure data using Qt Data Visualization library.
- Built a foot region classifier for automatic foot plantar segmentation and plantar pressure distribution calculation.