Baixi Sun 孙百西

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SKILLS

- **Language**: Python, Java, MATLAB, C#, C++, C, JavaScript, SQL.
- **Frameworks**: Hadoop, Spark, SparkSQL, SpringMVC, myBatis, .NET.
- **Techniques**: TensorFlow, OpenMPI, Ajax, JSP, IIS/Tomcat server web developing, Aspect Oriented Programming (AOP).
- **Systems familiar with**: Linux, MacOS, Windows 10, Windows Server.

EDUCATION

Master of Computer Science and Engineering (CS MS) Sept. 2018- Jun. 2020
- University of California, Riverside Riverside, California

Bachelor of Software Engineering (B.E.) Aug. 2014-Jun. 2018
- Harbin Engineering University Harbin, China

RESEARCH & COURSE PROJECT

(research project) Misinformation Detection via Tensor Embeddings | Riverside, California Mar. 2020-Now
- Embedded words' distance information to a 3-mode tensor and utilize Canonical Polyadic to decompose the tensor.
- Designed another method that embedding words' distance and their appearance order information to a 3-mode tensor.
- Implemented and compared different decomposition methods on the tensor, to get a better accuracy.
- Designed experiments to find the best parameter for generating tensor and tensor decomposition.
- https://github.com/Presciman/FakeNewsDetection

(course project) Twitter Trending Detection via Spark, Doc2Vec and SVM | Riverside, California Oct. 2019-Dec.2019
- Utilized Spark framework to process the data, including preprocessing and storing the data.
- Parsed the output of Spark and embedded user comments into vectors via Doc2Vec.
- Obtained labels and implemented a semi-supervised method to generate a training model.
- Designed experiments to adjust parameters on the learning layers.
- Utilized SVM to classify user comments by the model we got and clustering them by platform (i.e. Twitter, Reddit).
- https://github.com/Presciman/Doc2VecModule-V3.0

(research project) Graduate Project | Harbin, China Dec. 2017-May. 2018
- Implemented a novel graph (Social Network collected from Stanford SNAP) layout algorithm in Java
- Utilized BFS to calculate the Euclidean distance and embedded graph into high dimensions.
- Implemented PCA algorithm to project the graph into low dimensions (Decomposition) to remove "redundant" layout.
- Implemented visualization part by using D3.js
- https://github.com/Presciman/GraduateProject

WORK EXPERIENCES

(internship) Aoyun Technology Co. Ltd. | Harbin, China ***Intern Software Engineer*** Jul. 2017-Aug. 2017
- Developed the function to obtain weather data from website and implemented the visualization module on front-end.
- Implemented the Account Managing, Login and Verify via phone message module.
- Developed the WeChat part by using the API from the WeChat platform.
- https://github.com/Presciman/MobileWeb

(internship) Neu Soft Co. Ltd. | Dalian, China ***Intern Java Engineer*** Jan. 2017-Apr. 2017
- In PRP setting stage, set module to view project progress and workload, added PRP information.
- Conducted the combination process of back-end and front-end. Assisted to debug the salary calculation module.
- Researched, added, and modified project information for project setting module and managed data with Oracle 11
- Applied FreeMaker and HTML in staff setting module, added staff and distributed roles.
- https://github.com/Presciman/DailyPaperMS_Neu

AWARDS

- 3rd Prize of Dong Bei Provinces ACM/ICPC Contest Nov. 2015
- 2rd University Scholarship May 2017
- 2rd University Scholarship Sept. 2017
- 3rd University Scholarship May 2018