Yuanxu (Justin) Li

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Objective

Full Time Software Development Engineer, available to start June 2016

Education

Case Western Reserve University (CWRU), Cleveland, Ohio **April 2016**

- Master of Science, Computer Science (3.7/4.0)

Courses: Web Data Mining, Introduction to Statistical Computing, Analysis of Algorithms, etc

University of Science and Technology of China (USTC), Hefei, China **June 2013**

- Bachelor of Science, Physics (3.5/4.3)
- Bachelor of Engineering, Computer Science and Technology (3.9/4.3)

Skills

Languages: Proficient at Python/Java/JavaScript; Familiar with HTML/CSS/SQL/MATLAB; Knowledge in C/C++/Ruby
Tools: Git/SVN, Linux, Android Development, MVC Framework (AngularJS, Django, Play), MySQL, D3.js, Hadoop

Experiences

The MetroHealth System **Cleveland, OH**

Application Developer Intern **December 2014-Present**

- Used HTML/CSS, JavaScript and Java to write front-end and back-end of the Web Application, and Java to write the Android Version of Healthy Life HRA (https://www.healthylifehra.org/)
- Wrote a Web Query Interface for doctors to retrieve, analyze and visualize (D3.js) data for users without SQL knowledge

University Hospitals of Cleveland, Department of Orthopaedics **Cleveland, OH**

Database Engineer Intern **June 2014-February 2015**

- Used Filemaker Pro to write user interface and scripts to build a database from scratch to import data of over ten years for clinical orthopaedics department, individually

Case Western Reserve University，Department of Electrical Engineering and Computer Science **Cleveland, OH**

Research Assistant **August 2013-June 2014**

- Used MATLAB to design a NMF (Non-negative Matrix Factorization) based algorithm to perform dynamic clustering
- Used Python (NLTK) to crawl Twitter data and perform sentimental analysis (TextBlob) in network scale

Projects

Computer Science Faculty Miner (CWRU Course Project) **Cleveland, OH**

- Led a group to use Python (beautiful soup), Java and HTML/CSS to write a pipe-line crawler to find the homepage of CS faculty members and perform clustering analysis

Predict Missing Interactions in Network (CWRU Course Project) **Cleveland, OH**

- Implemented a variant of shortest-path algorithm using greedy approach to predict missing links in biological networks

Local Network Motifs in Biological Network (Katholieke Universiteit Leuven/USTC Bachelor Thesis)Leuven, Belgium

- Be the first one to propose the conception of Local Network Motifs, and used MATLAB to find local network motifs in the integrated biological network S. Cerevisiae

A Vector View of NMTF and A Framework for Evolutionary Communities (USTC Bachelor Thesis) **Hefei, China**

- Used MATLAB to illustrate the vector view of NMTF(Non-negative Matrix Tri-Factorization), and propose a framework of tracking evolutionary communities based on this view

One Method of Symmetrization for Spectral Clustering (USTC Course Project) **Hefei, China**

- Used MATLAB to design a new method of clustering directed graphs outperforming other known methods.