Yusheng Ding

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EDUCATION

Tongji University	Shanghai, China
B.Eng. in Software Engineering	Sept.2012 - Jun.2016 (Expected)

- Overall GPA: 4.48/5.0 Ranking:15/183
- Major GPA: 4.76/5.0 Ranking:5/51
- Related Courses: Data Mining & Analysis, Algorithm, Object-Oriented Programming, C, DataStructures, Operating System, Computer Architecture, Computer Network, C++, JAVA, J2E, Software Engineering, Linux Programming, Windows Programing, Operating System, Database, Compiling Principle, Software Testing, etc.

RESEARCH EXPERIENCES

Interest: Machine Learning, Bioinformatics, Network Analysis, Robotics

Spatial Association Gene Network Analysis	YuLab@Emory
Directed by Prof. Tianwei Yu, Emory University	April.2016 - Present

- Using Local Moran's I to quantify the spatial association of the network
- Developing R package for spatial association analysis
- Using the method to predict the core gene groups of an unknown disease

Microsoft Academic Graph Mining	Microsoft Research Asia
Collaborate with Microsoft Academic Search Team	Jun.2016 - Present

- Better method to evaluate young researchers in comparison to the h-index and citation number
- Using Convolutional Neural Network for the feature selection
- Using graph embedding to quantify the social impact
- Proposed a joint learning framework capable of adding more context information for modeling
- The project has been presented at Microsoft Developer Conference

Autonomous Mobile Robot	iLab@Tongji&USC
Directed by Prof. Laurent Itti, University of Southern California	Jul.2015 - May.2016

- Applying elastic band algorithm in Route Planning
- Combined with simultaneous localization and mapping, face recognition, speech recognition to produce home robot

Open Source Contribution

Differential network local consistency (DNLC)	R Package
Authors: Yusheng Ding, Yao Lu, Linqing Liu and Tianwei Yu	Estimate Dec.2016

- R package maintainer - link
- Project about bioinformatics application
- Package will be released once the paper is submitted (manuscript under paper writing)

PROJECTS AND COMPETITIONS

Microsoft Academic Supernovae	Microsoft Research Asia
Apr.2016 - Present	

- Better method to evaluate young researchers in comparison to the h-index and citation number
- Using network outlier analysis to find the potential young researcher
- The project has been presented at Microsoft Develop Conference

Beauty of Programming Competition   Microsoft Research Asia
Apr.2016
- One of the most famous programming competition in China
- Rank 3 of 1000 teams in the competition
- Project about Microsoft Academic Graph(MAG) search application

Automated Bitcoin Trading System   iLab@Tongji
Jun.2015 - Sept.2015
- Collected Data via interface then clean them
- Used multiple algorithms and features for the decision making
- Implemented Bayesian surprise algorithm for prediction

HONOURS & AWARDS

16' Top 3 of Beauty of Programming Competition 2016, Microsoft Inc. (Top 0.3%)
15' Top 8 of Huawei Software Elite Challenge 2015, Huawei Technologies Co. Ltd (Top 5%)
14' Second-class Scholarship, Tongji University (Top 10%)
   National Endeavor Fellowship, Tongji University (Top 3%)
13' Second Prize in Tongji University Programming Competition, Tongji University (Top 5%)
   Third-class Scholarship, Tongji University (Top 10%)

TECHNICAL STRENGTH

Programming Languages	C/C++, C#, Java, JavaScript, Html, CSS, Python, R, LaTeX, Shell Script
Skills	Web Crawler, Deep Learning, Database
Packages&Tools	TensorFlow, VIM, SVN, Git, OpenCV, Selenium

EXTRACURRICULAR EXPERIENCES

- Tongji Google Club, Vice President	Sept.2014 - Sept.2015
- Welcome Gala for Freshman, Organizer	Oct.2013
- Department of Tongji Software Engineering Student Union, Member	Sept.2012 - Jul.2013
- Volunteer for 2016 Shanghai International Marathon, Member	Oct.2014