Jingyuan Li

400 Plymouth Place, #2408, Somerset NJ, 08873
732-618-6681, jingyuan.li@rutgers.edu, http://jingyuan-li.com

SKILLS

Programming Languages: C/C++, Java, JavaScript, Python, MongoDB, SQL, MATLAB, R, Shell Script.
Tools: Git, npm, Grunt, Adobe Photoshop, Adobe Audition

EDUCATION

Rutgers, the State University of New Jersey, New Brunswick, NJ 09/2016 - 05/2018
M.S.: School of Electrical and Computer Engineering GPA: 3.4/4.0

- Relevant Courses: Special Problem in Process Mining, Software Engineering, Software Engineering of Web Application, Data Structure and Algorithms, Paralleled and Distributed Computing

Xiamen University, China 09/2012 - 06/2016
B.S.: School of Physics, Mechanical & Electrical Engineering GPA: 3.4/4.0

EXPERIENCE

Rutgers, the State University of New Jersey
Student Assistant, Multimedia Image Processing Lab 12/2016 - present

- VITPLA system(a medical workflow analysis system) development, deployment, visualization, troubleshooting. Data analysis including process log, trace alignment, clustering.

Eastcom Co., Ltd.
Engineer Assistant Intern., Industrialization Department 08/2015 - 09/2015

- Utilized C language along with SCM to design an infrared auxiliary scrap handler detector.
- Designed the program to control the action of scrap handler.

PROJECTS

VIT-PLA 2.0: Visual Interactive Tool of Process Log Analysis (Research) 12/2016 - present

- Created responsive web page with other programmers utilizing jQuery, D3.js, Bootstrap, CSS3. Modified front end codes to improve user experience and visual effect.
- Successfully deployed the web application on Amazon Web Service(AWS).

VIT-PLA 1.0: Visual Interactive Tool of Process Log Analysis (Research) 05/2017 - present

- Implemented trace alignment improvement algorithms utilizing Java, Modified Java Swing UI.
- Improved alignment performance by 30%.

Timeline.JS (Research) 05/2017 - present

- Designed the process log visualization JS library with another programmer, utilizing D3.js and ES6 based Webpack.
- Improved over 7 details to get better user experience.

Stock Prediction [Web App] (Course Work) 02/2017 - 05/2017

- Retrieved historical and real-time stock data through Yahoo Finance API and stored into MongoDB database. Designed and implemented the whole UI utilizing Bootstrap, AngularJS, Less, Grunt.
- Implemented machine learning algorithms to provide the users with short term stock predictions utilizing Python Flask, and the precision reached 90%.

PUBLICATIONS

Process Mining the Trauma Resuscitation 2017 Submitted
*Sen Yang, **Jingyuan Li**, Xiaoyi Tang, Shuhong Chen, Ivan Marsic, and Randall S. Burd*
Submitted to IEEE Intelligent Informatics Bulletin 2017