Lingjia Li

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Education Background

09/2016-06/2020   Shanghai Jiao Tong University (SJTU), Shanghai, China
- Major in Computer Science & Technology (Electronics & Electric Engineering-IEEE Honor Class)
- Minor in Animation
- GPA: 3.9/4.3 (Top 15%)   TOEFL: 110
- Core Courses: Programming, Software Engineering, Animation Sense Design, Two-Dimensional Animation Design,
- Scholarships: Ivy League Scholarship in SJTU, 2nd and 3rd Class Scholarship in SJTU, Merit Student in SJTU

Internship

07/2019-09/2019   Summer Analyst, Corporate Funding Technology Department, Morgan Stanley, Shanghai
- Built the company's knowledge management system via Angular framework, Typescript, Elasticsearch, DB2, etc.
- Achieved functions of local upload, storage, search and share, etc., and provided a recommendation of documents via text similarity clustering

Papers

10/2019   Sentiment Analysis over Collaborative Relationships in Open Source Software Projects (in submission)
- Authors: Lingjia Li, Jian Cao, *SANER 2020*

Research Experiences

06/2018-Present   Key Member, Key Research Program launched by the Ministry of Science and Technology, China
Topic: *Intelligent Analysis of Big Data in Software Development*   Advisor: Prof. Jian Cao
Target: Through big data analysis of the mechanism behind various collaborative phenomena in the open-source software community, we will develop new collaborative tools and management projects.
- Launched an extensive literature reading to understand the corresponding method of emotion analysis
- Applied Scrapy and Github API to extract information from Github dataset, and used Pandas, Matplotlib, Highcharts, etc. to analyze and visualize the emotional status of developers in the software development process
- Applied MySQL to process warehouse data of large projects, and used Gephi to draw activity network diagram
- Explored the emotional effect of cooperators in software development utilizing correlation analysis, causality test, etc.
- Composed a paper entitled *Sentiment Analysis over Collaborative Relationships in Open Source Software Projects*

05/2019-06/2019   Individual Work, *Vocal Elimination based on Matlab*, SJTU
- Subtracted the sound of left and right vocal channels in the song to offset the voice via Matlab; filtered the medium and high frequency in merged audio, conducted noise reduction and low-frequency compensation by designing the filter

01/2019-06/2019   Group Leader, *Are we friends? Efficient Determination of User Relation in Social Networks*, SJTU
- Consulted literature extensively and designed experiment combined with the technical software community
- Set up a friend recommendation website on GitHub by virtue of Django framework and GHTorrent dataset

09/2018-01/2019   Group Leader, *Quantitative Index Trading Forecast*, SJTU
- Proceeded on the high-frequency index prediction based on PyTorch framework, LSTM and LightGBM models, etc.
- Predicted the mean of the future median price in line with the study of stock order book data

01/2017-06/2017   Group Leader, *Voice Navigation APP for Blind Users*, SJTU
- Realized real-time navigation for blind users through mobile phone vibration module voice recognition and synthesis by calling iFlytek API and Baidu Map API
- Proposed the project idea, and responsible for interface design, speech input and recognition, mobile phone vibration module implementation, etc.

Extracurricular Activities

09/2016-Present   Vice Leader & Main Force, Volleyball Association, SJTU
- Guided daily training and led the team to win all the Grand Slams in volleyball matches

03/2017-01/2019   Leader of Network Department, School Student Union, SJTU
- Took charge of the website technology development and new media promotion work in the college
- Operated official WeChat account of the student union (sjtuseiee, with 10,200 followers) and published 40+ articles (each article achieved 1000+ page views); coordinated the online promotion of 25 school-level activities

"Yuanchuang Cup" Disruptive Technology Innovation Competition ("eye-tracking technology" was shortlisted in it)
ACM Turing Celebration Conference - China (volunteer)

Skills & Interests

Skills: C++, C, Java, Python, SQL, JavaScript, TypeScript, Markdown, C#, HTML, R, etc.
Interests: Volleyball (national 1st Class Athlete), New Media Operation, Painting, Photography, etc.