

Lingjia Li

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EDUCATION

CORNELL UNIVERSITY

MPS IN INFORMATION SCIENCE

Aug 2021 - Present | Ithaca, NY
College of Computing and Information Science

SHANGHAI JIAO TONG UNIVERSITY

MAJOR IN COMPUTER SCIENCE AND TECHNOLOGY (IEEE HONOR CLASS)

MINOR IN ANIMATION

Sep 2016 - Jun 2020 | Shanghai, China
Department of Computer Science and Engineering, GPA: 3.9/4.3(Top 15%)

SKILLS

Languages

Python • C/C++ • Java • JavaScript • HTML/CSS • MySQL • TypeScript • R

Tools

Linux • IBM DB2 • Jira • GitHub • Bitbucket • Dell Boomi • Wherescape Red • Tableau • Gephi • Weka

COURSEWORK

GRADUATE

Introduction to Machine Learning
Business Intelligence System
Data-driven Web Applications
Crowdsourcing and Human Computation
(Research Asst. & Teaching Asst)

UNDERGRADUATE

C++ Programming
Data Structure
Software Engineering
Artificial Intelligence
Computer Architecture
Design and Analysis of Algorithm
Computer System Engineering
Mobile Internet
Database System Technology
Parallel and Distributed Programming
Data Mining Techniques
Digital Graphics Processing
2D Animation Design
3D Animation Production

EXPERIENCE

NAN YANG HIGH SCHOOL ARTIFICIAL INTELLIGENCE TEACHER

Aug. 2020 - Mar. 2021 | Shanghai, China

- Worked with other teachers weekly to develop AI course resources (materials, activities and software programs) from scratch
- Mentored 90 students basic ML techniques (Supervised Learning, Perceptron, Neural Network, etc.) weekly through intuitive instruction & learning activities

MORGAN STANLEY | SOFTWARE ENGINEER INTERN, CORPORATE FUNDING TECHNOLOGY

July 2019 - Sept. 2019 | Shanghai, China

- Built the company's knowledge management system for managing document resources via Angular framework, Typescript, Elasticsearch, Java and DB2, etc.
- Implemented local file upload, storage, search, sharing and recommendation through collaboration and integration on Jira and Bitbucket

PROJECTS & RESEARCH

WASTE ANALYTICS (PEPSICO) | DATA SCIENTIST & MACHINE LEARNING ENGINEER

Aug 2021 - Present | Ithaca, NY

- Meet with PepsiCo clients and stakeholders weekly
- Build time series to analyze value drivers and develop predictive models to assess future product material waste for each PepsiCo product and offer tips

DATA ANALYTIC OF SOCIAL FACTORS IN OPEN SOURCE SOFTWARE DEVELOPMENT

Jun. 2018 - Jun. 2021 | Shanghai, China

- Extracted dataset from GitHub and performed sentiment analysis using NLTK, Senti4SD and SentiCR on issue comments, analyzed and visualized developers' sentiment effects using Numpy, Pandas, Matplotlib, Gephi, Highcharts through correlation analysis, causality test, and dynamic network analysis, etc.
- Proposed an approach to monitor Negative Sentiment-Related Events through Kleinberg model, Linear SVM and empirical case study. Analyzed influencing factors using association rule mining. Built a sentiment monitoring interface in Django framework

PUBLICATIONS

- [1] Lingjia Li, Jian Cao, and David Lo. Sentiment analysis over collaborative relationships in open source software projects. In *32nd International Conference on Software Engineering Knowledge Engineering (SEKE)*, 2020.
- [2] Lingjia Li, Jian Cao, and Qing Qi. Monitoring negative sentiment-related events in open source software projects. In *2021 28th Asia-Pacific Software Engineering Conference (APSEC)*. IEEE, 2021.

ACTIVITIES & INTERESTS

Activities Leader of Network Department of SJTU Student Union, ACM 2018 Turing Celebration Conference Volunteer, Vice Leader of SJTU Volleyball Association

Interests Volleyball (Chinese National 1st Class Athlete), Animation, Digital and New Media Operation, Painting, Photography, etc.