

Jingshu Rui

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EDUCATION

University of California, Berkeley, CA.

Aug 2021 – May 2023

Master of Information Management & Systems, Data/Software Engineering, School of Information

Courses: Natural Language Processing (Python), Agile Engineering Practices (Java), Quantitative Research Methods (R), Lean/Agile Product Management, User Interface Design and Development (Figma)

Peking University.

Sep 2017 – Jul 2021

B.S. in Intelligence Science and Technology, School of EECS Excellent Graduate of PKU

Courses: Data Structure and Algorithm (C++), Algorithm Design and Analysis (C++), Data Science (Python), Introduction to Computer Systems (Linux, C++), ML for Predictive Data Analysis (Python), Visualization and Visual Computing (JavaScript), Database Systems (SQL)

TECHNICAL SKILLS

- Programming Languages: C, C++, Golang, Python, Java, TypeScript (React), R, MATLAB, SQL.
- Computer Skills: GitHub, Linux, Xcode, IntelliJ, VSCode, L^AT_EX, Figma, Sketch, Photoshop, ScreenFlow.

RELEVANT EXPERIENCE

Software Engineer Intern, Instabase (startup for document understanding) Menlo Park, CA, May – Aug 2022

- Implemented the [feature](#) for resizing the k8s cluster with Control Plane and significantly improved usability.
- Support 10+ businesses' changing needs for the number of replicas, memory, and CPU for 50+ resources all at once (Back-end: Golang).
- Embedded strict type-checking with drop-down lists and input boxes to prevent users from entering bad patches to the pods, allowing clients to resize their resources without error (Front-end: Typescript, React).

Technical co-founder, Nolibox (startup for AI-empowered design)

Beijing, China, Apr – Sep 2020

- Improved the schema for automated and customized logo generation.
- Enabled smart matching involving 10+ templates and 200+ materials for the key visual generation to reduce repetitive work of designer, developed a color palette generator with 400+ color schemes (Back-end: Java).
- Refined English logo generation replacing letters with icons with similar shapes and related meanings.
- Connected the payment interfaces to the back-end service to bring the features to live with a better user experience (Front-end: TypeScript, React).

NLP Application Product Intern, TAL AI Lab

Beijing, China, Feb – Apr 2020

- TAL aims to improve the teaching and learning experience with AI technology.
- Conducted competitor research for a word learning app based on speech recognition and E-Rater to help dialect speakers learn Mandarin.
- Wrote product requirements document, designed a new landing page, and partnered with the engineering team to ensure deliverables were met on time.

RELATED PROJECTS

Information Retrieval System, Course Projects, UC Berkeley

Berkeley, CA, Nov – Dec 2021

- Collected, organized and displayed a faceted metadata system for lyrics, songs, music videos, and albums of Taylor Swift, and supported in-site search with RegExp-based matching (Jekyll, JavaScript).

Poetry Text Search System, Course Projects, Peking University

Beijing, China, Mar – Apr 2021

- Implemented a poetry database system for searching by author and topic (keywords) using Tkinter (Python).
- Using TF-IDF (term frequency - inverse document frequency) feature extraction and synonyms mining algorithm to implement the synonyms search function.

Data Visualization, Course Projects, Peking University

Beijing, China, Sep 2020 – Jan 2021

- Utilized world maps, line graphs, stacked bar charts, and evolutionary trees to demonstrate the evolution and spread of COVID-19 variants over time and obtained interesting findings.
- Incorporated linked Highlighting between different views and enabled human-interface interaction to make it more intuitive for users (d3, JavaScript).