Jingshu Rui

Mobile: 949-880-6807 LinkedIn: https://www.linkedin.com/in/jingshu-rui/
Email: jingshu_rui@berkeley.edu Address: Berkeley, CA 94709

Education

University of California, Berkeley, CA. Aug 2021 – May 2023

Master of Information Management & Systems, School of Information
Courses: Introduction to Data Structures and Analytics (Python), 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
Core Courses: Data Structure and Algorithm (C++), Algorithm Design and Analysis (C++), Introduction to Computer Systems (Linux, C++), Introduction to Database Systems (SQL), Introduction to Visualization and Visual Computing (JavaScript), Learning Data Science with Python, Machine Learning for Predictive Data Analysis (Python)

Technical Skills

- Programming Languages: C, C++, Python, Java, JavaScript, TypeScript, R, MATLAB, SQL.
- Computer Skills: Linux, Xcode, IntelliJ IDEA, LaTeX, Office, Figma, Sketch, Photoshop, ScreenFlow.

Relevant Experience

Technical co-founder, Nolibox (startup for AI-empowered design) Beijing, China, Apr–Sep 2020

- Nolibox is a logo maker and branding tool that can automatically generate customized logos.
- (Back-end) 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 with Java.
- Refined English logo generation replacing letters with icons with similar shapes and related meanings.
- (Front-end) Developed interfaces using TypeScript and React, connected them to the back-end service to bring the features live with a better user experience.

Data Visualization, Course Projects, Peking University 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. The data came from the GSIAID Initiative and GISRS Network.
- Incorporated linked Highlighting between different views and enabled human-interface interaction with D3 and JavaScript to make it more intuitive for users, used source control systems (Git) to collaborate.
- Obtained interesting findings like the frequency of virus mutations increases significantly after the temperature starts to drop in September.

Senior Thesis, Department of Machine Intelligence, Peking University Sep 2020–Jun 2021

- Designed new eye movement experimental paradigms to test and measure subjects' food sensitivity and body dysmorphic disorder which complements and refines existing ones.
- Conducted Machine Learning prediction to confirm the potential of the eye-movement data under experimental stimulus to predict the risk of eating disorders.

Poetry Text Search System, Course Projects, Peking University Mar–Apr 2021

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

Related Experience

NLP Application Product Intern, TAL AI Lab Beijing, China, Feb–Apr 2020

- TAL aims to improve 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 engineering team to ensure deliverables were met on time.