Zhi Zhang

Phone: 5739996314 | Email: zhang48240@gmail.com
Address: Brooklyn, NY 11209 | Website: zhangzhi.me

EDUCATION

New York University, New York, NY *2021.05*
Master of Science Computer Science

University of Missouri-Columbia, Columbia, MO *2019.07*
Bachelor of Science Computer Science (Cum Laude and Honors Scholar) *GPA : 3.49 / 4.0*

Taiyuan University of Technology, Shanxi, China *2018.07*
Bachelor of Engineer Software Engineering (Duel Degree Program) *GPA : 3.64 / 4.0*

TECHNICAL SKILLS

- **Toolkits and Frameworks :** React, Material-UI, Node.js, AWS, Drupal8, Vaadin7, Git, Docker.
- **Programming Language :** Python, Java, JavaScript, HTML, CSS, PHP, SQL.

EXPERIENCE

Stowers Institute for Medical Research *2019.05 - 2019.08*
Software Developer , Computational Biology Group *Kansas City, MO*

- Independently developed a full-stack web app (bioinformatics tools) using React/redux, node.js, MongoDB to organize and retrieve lab experiments datasets in JSON format, which used by around 21 labs in Stowers Institute.
- Created a responsive single page application, grid, custom buttons and all layouts using Material-UI.
- Built the back-end server in node.js to quick access information from 800+ files, and communicate with R shiny server script for RNA-seq data analysis.

University of Missouri - MU Operations *2017.01 - 2018.01*
Research Assistant , System Development Center *Columbia, MO*

- Took part in building, testing and maintaining 4 campus-wide JAVA backend web services with Vaadin7 Framework: MU contract management, staff salary management, printing and mailing, and temporary staff management.
- Participated in designing database schema and store procedure for over 100GB data, implemented online forms used for User data collection and data processing.
- Designed and tested Java Beans to retrieve financial data and customer's information from Oracle database server.
- Developed front-end user interfaces utilizing Java, Vaadin, JavaScript, Enabled customized filtering to narrow down the input data.

University of Missouri - MU Operations *2016.12 - 2017.12*
Team Leader , Web Development Group *Columbia, MO*

- Managed a team of 7 members to design and create 8 websites (Human Resource Services, Police Department, etc.) for 12 university departments with Drupal 8, which gets more than 2000 visits per day and reduces the workload of MU Operation's IT department by 30%.
- Coordinated with technical staff, department staff (customers) and team members to met project timelines and budget.
- Implemented agile development to distribute tasks and monitor work progress, participated in writing project documentation, testing system, maintaining and updating website.

PROJECT

Conversational Agent for Recommender System *2019.02 - 2019.06*

- Integrated chatbot with recommender systems on a Neuroscience research portal website named CyNeuro Portal in Laravel Framework and Google Dialogflow.
- Implemented a RESTful API in Node.js that collected the users' potential publications in JSON format from PubMed library, IEEE Xplore and Google Scholar.