Qiaoyi Liu (Joyce)

Software Engineer

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Skills

- **Languages:** Javascript, Python, SQL, HTML5, CSS3, Pug
- **Frameworks/Tools:** React.js, Redux, Flask, Express, Sequelize, PostgreSQL, SQLAlchemy, AWS, Github, git, Restful API, Docker, Heroku
- **Key Skills:** Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP)

Projects

Klickr - a flickr clone website, which features image sharing and networking.   [live](#) | [github](#)

(Python, Flask, SQLAlchemy, PostgreSQL, JavaScript, React, Redux, AWS, HTML, CSS, Docker, Heroku)

- Used python and flask as backend, javascript, react and redux as frontend in developing complex software applications with full functionality of images, albums, comments, likes, follows and search.
- Created custom modal using React component architecture allowing for efficient development of new forms.
- Designed an efficient, responsive UI complete with dynamic web page using CSS keyframes.
- Utilized AWS S3 to implement user image uploads reducing server load and improving user experience.

NotesOn - a notes-taking app, inspired by Evernote, where users can organize notes in a simple way. [live](#) | [github](#)

(Express, React, Redux, JavaScript, Seuquelize, Node JS, PostgreSQL, HTML, CSS, Heroku)

- Configured Node backend with PostgreSQL, using Sequelize ORM for validations and database queries.
- Applied customized, responsive design and real-time updates for notes-taking by utilizing React and Redux.
- Integrated react-quill library to create rich-text editor where users can edit and format notes easily.

Wecord - a discord clone app, which allows users to hang out with friends and communities.   [live](#) | [github](#)

(Python, Flask, SQLAlchemy, PostgreSQL, React, Redux, JavaScript, HTML, CSS, ,Docker, WebSocket, Heroku)

- Worked closely with 3 other engineers to develop a full-stack application with 5 core features within a week.
- Designed and built backend database and 6 RESTful API routes by utilizing Python, Flask, and SQLAlchemy.
- Combined SocketIO to implement live chat functions for better user experience.

Experience

Full-time parent | 2019 - present, US

- Took time away from a professional career to raise young children and manage the household.

Business Consultant | 2016 - 2018, Singapore

Chong Seng Consultants Pte Ltd

- **Communication skills**: provided human resource related consultancy service to business clients and worked with teams from various backgrounds and participated in the cooperation with partners in different countries.

Account manager | 2015 - 2016, China

China Industrial Bank

- **Credit Analysis**: performed in-depth credit analysis of corporate clients, assessed credit risks and issued risk opinions on a regular basis for senior management decisions.
- **Problem-solving skills**: researched and analyzed financial data relating to the loan and investment projects, and provide customized solutions to meet requirements..

Education

App Academy | Full Stack Web Development Training, US | Sep 2022

Immersive software development course with over 1000 hours of class work focusing on full stack web development.

University of Sheffield | Master of Science | Sheffield, United Kingdom | Jan 2015

Major in International Business and obtained Sheffield Graduate Award in 2015.