

Qiaoyi Liu (Joyce)

Software Engineer

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[Profile](#)

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, React, Redux, AWS, JavaScript, HTML, CSS, Docker, Heroku)

- With Python and Flask as backend, React and Redux as frontend, developed an image social networking platform for users to organize albums and photos. Users can also upload, comment, favorite, follow and search a wide variety of pictures. share images and thoughts.
- Implemented 4 core CRUD functionalities, 2 bonus functionalities and applied intuitive, pixel-perfect design within 2 weeks.
- Remotely stored user image file uploads in the cloud via AWS S3 to improve user experience.

NotesOn - a notes-taking app, inspired by Evernote, where users can organize notes in a simple way.

[live](#) | [github](#)

(React, Redux, JavaScript, Express, Sequelize, 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 update 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 the 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

Business Consultant | June 2016 - April 2018

Chong Seng Consultants Pte Ltd, Singapore

- **Business Consulting:** provide human resource related consultancy service to business clients, including talent-searching, matching and assisting in the negotiation involving different parties.
- **Communication skills:** work with teams from various backgrounds and participate in the cooperation with partners in different countries.

Account manager | Jan 2015 - April 2016

China Industrial Bank, China

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

Education

App Academy | Full Stack Web Development Training | 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.