

Xiaoyi Liu

917.815.1316 | lx878@gmail.com | Queens, NY

LinkedIn: [linkedin.com/in/xiaoyi-liu-6684ab82](https://www.linkedin.com/in/xiaoyi-liu-6684ab82)

GitHub: github.com/lx878

Portfolio: lx878.github.io

TECHNICAL SKILLS

- **Proficient:** Java, JavaScript, ReactJS, Redux, Ruby, Ruby on Rails, SQL, SQLite, Git, HTML5, CSS3
- **Exposure:** Sinatra, RSpec, NodeJS, Express, C++, PHP

WORK EXPERIENCE

Center For Teaching and Learning of LaGcc | Student Technology Mentor | Queens, NY SEPT 2015 - DEC 2016

- Attended 30+ related classes as a teaching assistant to supplement the work of college faculties and to help students use the digital resources as effective learning using internal templates and tools, helping 300+ students use their digital portfolios.
- Assisted faculties/professors in technical issues when designing, creating, utilizing and maintaining technology-enriched teaching resources using internal templates and tools, helping 10+ IT staff and faculties having accessible digital materials in their lectures.

EDUCATION

Software Engineering Program, Flatiron School FEB 2021

Bachelor of Art in Computer Science, Queens College of City University of New York AUG 2019

Associate in applied Science in Computer Science, LaGuardia Community College of CUNY JUN 2016

PROJECT WORK

Online Store | Full Stack Engineer | [Deploy URL](#) | [Code URL](#) 2021

A web app for anyone who sells their creative products and who purchases unique goods.

- Wrote 10 client side components using ReactJS, React Router and Bootstrap, rendering over 10+ pages.
- Created 5 controllers and 11 API routes for server side for CRUD actions of users, products and orders using ActionController library, Ruby on Rails, and Ruby, resulting in 2x faster development.
- Created a feature to encode/decode users' data using JSON Web Token, resulting in secured communications between client side and server side.
- Created a feature to encrypt/decrypt users' to store passwords as non-human-readable in the database using bcrypt library, resulting in increased password security in case of database compromise.
- Create a feature to upload users' images and store them in the local database using Ruby on Rails, Ruby, and ActiveStorage library, resulting in easier access to their images.
- Designed 6 relational tables and 4 models using Sqlite, Ruby on Rails, Ruby, and ActiveRecord library, resulting in persisting the data of users, products and orders.

Commercials Board | Full Stack Engineer | [Deploy URL](#) | [Code URL](#) 2020

A web app for small business owners to market their products.

- Created a feature to allow users to login using Github accounts using OmniAuth, Ruby, Ruby on Rails and ActiveRecord libraries, resulting in flexibility to access accounts from third-party authentication.
- Created 12 views for client-side components using ERB template, HTML, CSS, and SCSS, resulting in the compatibility with Ruby and development convenience.
- Built 4 controllers and 24 routes for CRUD actions of users, commercials and comments using ActionController library, Ruby on Rails and Ruby, resulting in 2x faster development.
- Designed 4 relational tables and 4 models using Ruby, Ruby on Rails, ActiveRecord and Migrations libraries, resulting in persisting the data of users, commercials and orders.