

Ryanne Zhuo

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PROFILE

I am a Full Stack Developer with a background in Finance. I am pursuing my passion for using technical and financial tools to design and develop applications. I achieve goals by applying logic and analytical thinking to understand the vital business needs and find innovative solutions.

TECHNICAL SKILLS

Programming languages: Python, JavaScript, ES6, CSS, HTML, jQuery, AJAX, RESTful APIs

Frameworks & Libraries: React, Angular, Django, Node.js, Express, Materialize CSS, Bootstrap

Database: NoSQL (MongoDB, Mongoose), SQL (PostgreSQL), database application on cloud (AWS)

Programming fundamentals: Object-Oriented Programming, front-end and back-end experience, solid understanding of web technologies and web architectures

OTHER SKILLS

Project Management - Self-starter that can take an idea to design and development under an agile environment

Strong passion for technology and the ability to learn new technologies quickly and independently

Excellent interpersonal, communication, analytical, and problem-solving skills

Strong Design and Development Skills - Ability to design, wireframe and prototype new ideas

Strong Analytical and logical skills

PROJECTS

CryptoBox - Full stack web application with React, Redux, MongoDB, Express and Node.js

- CryptoBox is a **crypto currency exchange platform**.
- It is a Full-stack web application.
- Users can use CryptoBox to check prices, daily changes, market cap of different cryptocurrencies.
- Users can also deposit or withdraw money into wallet and buy or sell crypto assets with or into USD dollars.
- Tech stack used includes **React, Redux, RapidAPI, Node.js, Express, MVC framework, MongoDB, Mongoose, RESTful APIs, AJAX/Fetch, JavaScript ES6, JSON**
- GitHub link: <https://github.com/RyanneZ/CryptoBox>
- Heroku link: <https://cryptobox123.herokuapp.com/>

Tinterest - Full stack web application with Python and Django

- Tinterest is a **Python and Django** based web application that contains most of the functions of Pinterest. Users can create, read, edit and delete (**CRUD**) posts and save other people's posts under their profile.
- This is a group project with three members. We use **Git** to manage the development process in **an agile environment**
- Use **Cloud-based service (AWS S3)** to implement photo upload functionality
- Use **SQL** database to store multiple models and manage the relationships between models
- Implement **Django Unit Testing and e2e Selenium Robot Testing**
- Tech stack used includes **Python, Django, SQL, AWS, REST API, Testing, CSS, HTML**
- GitHub link: <https://github.com/RyanneZ/project3>
- Heroku link: <https://tinterest.herokuapp.com/welcome/>

LET'S PLAY - Full stack web application

- LET'S PLAY is a platform to help people find other people play sports with. User can create a post on the community board to set up a match or look for people to join a tournament together. Users who are interested can comment under each post.
- This is a Full stack web application using **Node.js, Express, MVC framework, MongoDB, Mongoose, RESTful APIs, AJAX/Fetch, Google OAuth, JavaScript, Materialize CSS**
- GitHub link: <https://github.com/RyanneZ/Let-s-Play>
- Heroku link: <https://letsplayproject2.herokuapp.com/>

Five Letters – DOM based web game

- Five Letters is a DOM based web game. I got the idea from playing a game called "Wordle".
- Tech stack used includes **JavaScript, jQuery, CSS (flexbox and grid), HTML**
- GitHub link: <https://github.com/RyanneZ/Five-Letters>

- Game link: <https://ryannez.github.io/Five-Letters/>

WORK EXPERIENCE

Customer Service Representative

Feb 2021 – Present

Bank of Montreal

- Support customer requests for banking services, including handling transactions and customer inquiries
- Find creative approaches to make each customer's experience feel personal
- Maintain current knowledge of personal banking products and integrate into customer conversations

Financial Analyst

Mar 2017 – Mar 2019

China Merchants Securities

- Worked with the Equity Research team; summarized weekly research reports and analysis on target companies and industries
- Assisted executives in publicly listed companies with other financial services including preparing the necessary documentation for stock pledges to commercial banks

EDUCATION

Software Engineering Immersive

Mar 2022 – Present

General Assembly Canada

- 450+hour Software Engineering Immersive program.
- Develop full-stack skills, with front-end and back-end languages, tools, and frameworks, always following best practices
- Complete projects individually and collaboratively in an Agile environment and have experience with project management tools e.g., JIRA
- Technologies used: MVC framework, HTML, CSS, JavaScript, React, Node.js, Express, MongoDB, Python, Django, and more
- Experience in full software development life cycle, including application design, coding standards, secure coding, code reviews, source code management (GitHub), build processes and testing.

Master of Science, major in Finance

2016

University of Manchester

Bachelor of Science, major in Finance

2015

Beijing Technology and Business University

ADDITIONAL

Completed additional technical training in the following areas:

- **Complete Python Developer in 2022: Zero to Mastery -Udemy**
Professional training program includes advanced Python, Object Oriented Programming, Machine Learning and Data Science
- **Chartered Financial Analyst, CFA**
Passed all three levels of CFA exams
- **Financial Modelling Training, CFI**
Professional training program which includes developing financial models in Excel using standardized techniques and includes integrated financial statements
- **Excel and VBA Professional Training Course**
6-week training course with experienced lecturers, including practical case studies using Excel and VBA
- **SQL Training Course**
Completed relational database course including a deep understanding of SQL architecture and statements