

# Ryanne Zhuo

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Portfolio website: [ryanneportfolio.herokuapp.com](https://ryanneportfolio.herokuapp.com)

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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

**Frameworks & Libraries:** React, Angular, Django, Node.js, Express

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

**Programming fundamentals:** Object Oriented programming, front-end and back-end experience

## OTHER SKILLS

Self-starter that can take technical requirements into effective solution architecture

Experience with systems design and software development lifecycle

Full-stack experience and flexible to work across architecture, building both front-end and back-end

Enjoy working collaboratively within a team that thrives on innovation, ideation, and taking initiative

Passionate to learn new technology and languages as needed

Excellent interpersonal, communication, analytical, and problem-solving 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, MongoDB, Mongoose, RESTful APIs, JavaScript ES6**
- 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, CSS, HTML**
- GitHub link: <https://github.com/RyanneZ/project3>
- Heroku link: <https://tinterest.herokuapp.com/welcome/>

## WORK EXPERIENCE

### **Financial 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