

# Yuan Tian

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## EDUCATION

### Northeastern University

Seattle, WA

Master in Computer Science GPA:4.0/4.0

Sep. 2022 – expected May 2025

- Courses: Object Oriented Programming, Algorithms, Web Development, Data Structure

### Huazhong University of Science and Technology

China

Bachelor in Economics

Sep. 2017 – June 2021

- Courses: C++, Python, Java

### AWS Training Program of WEI Women's Empowerment Institute

USA

AWS Cloud Computing

March. 2023 – June 2023

## EXPERIENCE

### Product Manager

July 2021 – May 2022

Rantion Technology

GuangZhou, CN

- Collaborated with the software development team to develop a user-friendly app and increased user engagement by **50%** through the implementation of new features and user interface improvements
- Contributed to the development of advanced features and ensured robust compatibility with a variety of mobile devices, resulting in a highly-rated app with **1000+ downloads** and **4.5 out of 5** rating stars in google play

## PROJECTS

### Location-Based Estate Website | Python,Django, React, PostgreSQL, Restful API

Sep 2022 – Feb 2023

- Utilized JSX/Styled-Components/Material-UI and React.js to implement the front-end UI design. and built Restful API with Django Rest Framework (DRF) and made requests to the API with React. [Website URL:SeattleRental](#)
- Built an Interactive maps with React-Leaflet library to display spatial geographic distance of property listings on a map, resulting in a **25%** increase in user engagement with property listings
- Designed and implemented a PostgreSQL database with Geodjango and PostGIS to make spatial queries for property listings, resulting in a **15%** increase in accuracy of property search results
- Implemented JSON Web Token(JWT) user authentication with Djoser library to improve security
- Reduced website load times by **30%** by implementing image compression and storing media files on Digital Ocean

### User Management System | Ant Design Pro, SpringBoot, MyBatis-Plus, Nginx, Docker

May 2022 – July 2022

- Utilized Ant Design Pro scaffold to set up basic pages and optimize templates for reusability. Customized and refactored umi-request library for global request interception and exception handling
- Developed data access layer using MyBatis-Plus and created custom common operation templates for increased efficiency, wrote SQL queries in an object-oriented style, making the code more readable and maintainable
- Implemented custom error code and global exception handler to standardize exception returns, reduced duplication and ensured that all exceptions are handled consistently and correctly
- Implemented JSON formatting with double-checked locking singleton for object reuse and centralized maintenance
- Deployed front-end with Nginx, back-end with Docker, and monitored operations with Baota Linux panel

### Backend Library Management System | SpringBoot, Thymeleaf, JPA, Maven, Git

Oct 2022 – Nov 2022

- Built a Library backstage management system based on SpringBoot framework, Java Persistence API to realize the basic crud function of books, authors, categories and publishers
- Utilized Thymeleaf for dynamic templates, reducing server pressure from real-time computing and database access
- Adopted Spring MVC model and H2 database for project structure, Utilized Maven for project management, Git for version control, and deployed the repository on Github

### Practice Music Notation Project | GUI, JAVA Swing

Sep 2022 – Nov 2022

- Implemented gesture recognition classes to optimize and analyze Java/OOP modules to allow users to quickly produce music pages, Utilized Unit test to identify areas for improvement and optimize code performance and speed
- Developed the Graphic User Interface(GUI) in Java Swing to affect the entry and editing of music

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Django, SpringBoot, JUnit, MyBatis-Plus, Material-UI, RestfulAPI

**Developer Tools:** Maven, Git, Docker, VS Code, Visual Studio, IntelliJ, Eclipse