

# Jiaying Yu (Belle)

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## SUMMARY

Motivated and results-driven Full Stack Engineer pursuing an MS in Technology Management at New York University, graduating in May 2024. At Nexa AI, I led the development of three **React** and **JavaScript** websites, securing a top-three ranking on Product Hunt while drawing over 50,000 views and 2,800 active registered users within the first month. Proficient in iterative development, **RESTful API** integration using **Python Flask** and **Java Spring**, and sophisticated **data manipulation** for user profiling. Experienced in managing **MongoDB** databases and deploying scalable solutions on **Google Cloud Platform** and **AWS**. Seeking an entry-level or New Grad software engineering role to advance my career.

## EDUCATION

**New York University**, New York, NY Expected May 2024  
M.S. in Management of Technology  
**University of California Riverside**, Riverside, CA Sep. 2018 - Sep. 2021  
B.S. of Business Analysis, Minor in Applied Statistics. *Cum Laude, 4 semesters Dean's Honor.*

## PROFESSIONAL EXPERIENCE

**Nexa AI** San Jose, CA (Remote)  
*Full Stack Engineer Intern* Oct 2023 - Apr 2024

- Led a team of six software engineers in developing three major products using **HTML**, **CSS**, and **JavaScript**, focusing on **React**-based mobile adaptations to enhance user experience across various devices. Directed teamwork, managed **Git** operations, and utilized **Linux** for development, conducting code reviews to improve code quality.
- Optimized **MongoDB** data storage and performance with **Python**, optimized search with **Elasticsearch**, and deployed on **Google Cloud Platform** and **AWS** for scalable storage and robust security.
- Leveraged **Google Analytics** and implemented **Mixpanel API** to track and refine user journeys, boosting customer visits to 15,000 and unique users to 943 in one week, enhancing **UI/UX** and user engagement.
- Developed **RESTful APIs** for search engines and database interactions, implemented in **Python Flask** and **Java Spring**, integrated with frontend, and tested for performance.
- Collaborated to drive product developments, achieving a 26% increase in user page views and boosting conversion rates by 16%, enhancing overall user engagement.

## PROJECT

**Apartment Management System** <https://youtu.be/ONMcdt2MSU0> June 2023

- Developed and implemented the backend services based on **Spring Boot** to facilitate tenant and manager access to amenities and service requests including reservation, payment, and other features using **RESTful API**.
- Partnered with the backend team in the end-to-end process from database design to code implementation.
- Implemented token-based server side user authentication based on the **Spring Security framework**.
- Leveraged **MySQL** for efficient and reliable data storage in the database.

**RoomNet: Digital Accommodation Booking Solution** Apr 2023

- Built a web application using **React**. Bootstrap the development with mature component library **AntD**.
- Implemented backend services based on **Spring Boot** to support stay upload, delete, search functionality.
- Used **MySQL** to store user-generated data and utilized **Google Cloud Platform** to store media files for update.
- Created geo index by **Elasticsearch** to support geo-based stay search based on user's selected locations.
- Deployed the backend service to Google App Engine for better scalability and reliability.

**MusicMingle: Minimalist Spotify Favorite App** March 2023

- Designed a **Kotlin** Spotify favorite app by leveraging **Android JetPack Library** and **Hilt Dependency Injection**.
- Implemented the **BottomBar** & **App Navigation** using **Jetpack Navigation** component.
- Created a mock **RESTful API** json-server and used the **Retrofit** to handle requests.
- Built the feed/album/favorite UI in **Jetpack Compose** following **MVVM** architecture.

## TECHNICAL SKILLS

Programming Language & Web Developments: Java, JavaScript, Python, SQL, R, Kotlin, C, C++, HTML, CSS, React, Vue, Angular, Node.js, Spring, Hibernate, Ant Design, Material-UI, Kendo-UI, Bootstrap.  
Databases & Cloud Services: MongoDB, MySQL, AWS, Google Cloud Platform, Azure.