



# RUIXIANG LIN

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## Education

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**Nanyang Technological University**

**Aug 2020 – Present**

*Bachelor of Engineering (Computer Science)*

**Innova Junior College**

**Jan 2016 - Dec 2017**

## Experience

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**FaceSec Singapore**

**Dec 2021 – Jul 2022**

*Software Engineer Intern*

- Tasked with full-stack development of admin console to aggregate and manage client subscriptions and consumption of services.
- Designed intuitive user interface with Figma and implemented with ReactJS and Material UI.
- Crafted and conducted unit tests with Spring MockMVC, focusing on edge cases to ensure software quality and performance.
- Incorporated GitLab CI/CD to provide continuous integration service in order to automated the process of building and testing of code for smooth deployment process.

## Projects

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**Recipe Recommendation App** | *Javascript, ReactJS, NodeJS, Google Firebase, AWS RDS*

- Created a web app to assist on ingredient management and provide recipe recommendations.
- Integrated with Spoonacular API to display information on delicious recipe and allergens.
- Saves user ingredients on MySQL and provide personalised recommendations based on expiring ingredients to minimise food wastage.

**Utility Aggregator App** | *Java, Android Studio, NodeJS, MongoDB*

- Created a prototype household utility management app using Java and NodeJS with the goal of minimising cost on electricity and water consumption.
- Process water and electricity consumption of the household on a 1 minute interval to provide current analysis through personalised tips.
- Provide interactive interface to display utility consumption on various time frames and set consumption budget for selected time intervals.

**Movie Award Nomination Predictor** | *Supervised Machine Learning*

- Trained a Random Forest classification model to predict if a given movie would be nominated for a movie award.
- Gathered and cleaned data from Kaggle and TMDb to achieve data set of the highest quality for decision-making.

**LifeHack Hackthon, NUS** | *Javascript, React Native, Google Firebase, GoogleMap API*

- Developed a mobile app with React Native to match users for selected activities to encourage face-to-face interactions in post COVID19 world.
- Integrated firebase to authenticate user and GoogleMaps API for map functionalities.

## Technical Skills

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**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL

**Technologies/Frameworks:** Git, ReactJS, NodeJS, NextJS, React Native, Java Spring Boot, MySQL, MongoDB, Figma, CSS/HTML, Google Firebase