

# Ruibo Xu

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## EDUCATION

### Stony Brook University

*Master of Science in Computer Science*

Stony Brook, NY

Expected December 2025

### Stony Brook University

*Bachelor of Science in Computer Science*

Stony Brook, NY

Graduated May 2023

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, C, Java, Bash/Shell

**Technologies/Tools:** React, React Native, Node.js, MongoDB, AWS, Express, Next.js, Tailwind, Firebase, Jest, Git, MySQL, Bootstrap

## EXPERIENCE

### Clocky LLC

*Web Developer Intern*

**Remote**

*January 2024 – May 2024*

- Created custom Shopify themes and templates using Liquid, enhancing brand identity and user engagement, and **increasing session duration by 10%**.
- Built an upsell feature that recommended relevant products to customers during checkout, resulting in a **15% increase in average order value** and a significant revenue boost.
- Architected a user-centric product advertising page featuring informative articles and user reviews, leading to a **10% increase in order conversion rate**.

### Prifina

*Front-End Engineer Intern*

**Remote**

*January 2024 – April 2024*

- Engineered a **high-performance, scalable mobile app** architecture using **React Native** and its core libraries, ensuring seamless user experiences and future growth potential.
- Utilized sensor data to design and build app features that provided users with valuable insights and personalized recommendations.
- Collaborated with a **cross-functional team** of developers, designers, and product managers to deliver high-quality features and enhancements for the app.

## PROJECTS

### E-commerce Website | MySQL, Express, React, Node.js, AWS

[Code](#)

- Integrated e-commerce operations with **RESTful APIs** for efficient data exchange and a smooth user experience.
- Optimized product discovery using an intuitive filtering and sorting system, **cutting user search time by 10%**.
- Implemented **secure and scalable AWS RDS** database for robust e-commerce functionality.

### Vanity License Plates Classifier | Python, Transformers, DistilBERT, Llama 3

[Code](#)

- Developed a classification system to distinguish between accepted and rejected vanity license plates, achieving an **80% accuracy rate**.
- Conducted comprehensive data preprocessing, including **balancing the dataset** and creating a **custom data augmentation function** to enhance model performance.
- Fine-tuned **DistilBERT** and **Llama 3** and applied advanced techniques like **QLoRA** to optimize training efficiency and scalability, reducing runtime while maintaining strong model performance.

### Recipe Discovery | Java, OpenAI API

[Code](#)

- Developed Recipe Discovery, an Android application utilizing OpenAI API for on-device **image recognition**.
- Enabled recipe discovery through photographed ingredients using **machine learning** and **personalized recipe recommendations** based on used recipes.