

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
2024

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.