

# YICHEN WANG, M.Sc. in Computer Science

Buffalo, New York, United States, 14221

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## WORK EXPERIENCE

EaseStar - Buffalo, NY

02/2024 - PRESENT

### Founder & Independent Software Engineer

- **Comprehensive Development:** Solely designed, developed, and deployed an **Expo React Native** application combining features of Twitter and Instagram, with a focus on digital illustration artists.
- **Innovative Protection Algorithm:** Researched and implemented a **unique algorithm** to protect user images from theft, incorporating invisible digital watermarks and screenshot disablement without artist permission.
- **Backend and Infrastructure:** Utilized **Node.js** for backend services, integrated with **AWS DynamoDB, S3, Docker, and Twilio** for robust performance and scalability.
- **AI-Powered Insights:** Integrated AI technologies to analyze user sentiment, allowing emotional tones of posts to be evaluated and displayed. Developed a system to summarize long text posts, helping other users quickly understand the topics being discussed.

IBM - Buffalo, NY

02/2022 – PRESENT

### Senior Application Developer, Technical Team Leader

- Spearheaded a team of five developers in the creation and ongoing maintenance of **6** websites, utilizing **HTML5, CSS3, JavaScript, AngularJS** (2), and **React.js** (4).
- Executed the translation of UX designs into functional web pages, writing clean, testable, and sustainable code while integrating and refining over **400** features.
- Enhanced test coverage by authoring comprehensive unit, integration, and functional tests using Jest.
- Engaged in collaborative planning with project managers and UX designers to dissect requirements, devise execution strategies, and prioritize tasks using **Jira** and **Confluence**.

The State University of New York at Buffalo - Buffalo, NY

11/2019 -- 07/2021

### Full Stack Developer

- Directed a team of three in UI/UX design and development, producing three web applications using **HTML5, CSS3, JavaScript, WordPress**, and **React.js**, benefiting over **2000** Buffalo residents with vital health measurements.
- In close partnership with project management and QA teams, designed UI/UX with AdobeXD, implemented over **70** functional components, and refined user experience based on feedback.
- Authored and maintained comprehensive technical documentation to streamline project setups and guide functionalities, utilizing tools such as **Jira** and **Confluence**.

## SKILLS

- Language: JavaScript/TypeScript, Python3, SQL, HTML5, CSS, Swift
- Frameworks & Libraries: React.js, React Native, AngularJS, Next.js, Vue.js, SwiftUI, NodeJS, Svelte
- Developer Tools & Environments: Docker, Linux, Git, AWS, JetBrains, Relational Database, MySQL, JIRA
- Keywords: Leadership, Independent Project Execution, Full-Stack Development, UI/UX Design, End-to-End Deployment, Comprehensive Project Lifecycle Management.

## EDUCATION

The State University of New York at Buffalo - NY, USA

- Master of Science, Computer Science and Engineering (GPA 3.6) Feb 2019 - May 2020
- Bachelor of Science, Computer Science (Magna Cum Laude) Aug 2015 - Dec 2018