

Jerry Lee

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SUMMARY

As a **Software Engineer** with **6 years of experience in React JS**. Specialized in building web and mobile applications with **React**. Designed **10 React web apps** for local businesses, leveraging **AWS** infrastructure to ensure reliability. Previously developed and deployed **12 Android/iOS apps** over 4 years. Possesses deep expertise in **MERN Stack development and cross-platform application design**.

EDUCATION

Illinois Institute of Technology, Chicago, IL

Dec 2024

Master of Computer Science with AI specialization

National Chung Cheng University, Taiwan

Jun 2018

Bachelor of Computer Science

SKILLS

Programming language: Javascript, TypeScript, Java, Python, Kolins, GDScript, Delphi

Frameworks & DevOps : React JS, Next JS, Express, Supabase, Bootstrap, Tailwind, Spring, MVVM, AWS, Docker

WORKING EXPERIENCE

Software Engineer, One Community Global, San Gabriel CA

Jul 2025 - Sep 2025

- **Designed responsive web applications using React with CSS Modules**, enhancing user experience.
- **Implemented data-fetching with GraphQL**, improving query response times and reducing over-fetching.

Software Engineer, Humongous win inc, Venice, FL

Feb 2025 - Jul 2025

- **Developed movie browsing app “Andrew Studio”** Google TV with Kotlin offering high watching experience.
- **Integrating AWS services with backend** and improve data reliability for secure and scalable data management.

Software Engineer(co-founder), Quantum Quokkas, Chicago, IL

Feb 2025 - Aug 2025

- **Partnered with 8 business to develop an in-game advertisement system** that help client achieved a average 22% increase in customer engagement.
- **Developed 12 mini-games using C++ on Unity (C#)** to offer display sample on our website
- **Built internal dashboards using React** to visualize customer behavior and improve team decision-making.

Teaching Assistant, Database Management

Oct 2023 - Dec 2024

Department of Science, Illinois Institute of Technology, Chicago, IL

- **Designed a StackOverflow-like interface using React** to efficiently manage 800+ student issues.
- **Hosted office hours to assist 450+ students** enabling instructors to complete 98% of lesson plan on time

Graduate Researcher, Deep Learning group

Sep 2023 - Dec 2024

Department of Science, Illinois Institute of Technology, Chicago, IL

- **Applied SparseML-based pruning** and quantization for optimized YOLOv5 performance on CPU
- **Achieved high accuracy (Precision: 0.90)** on the GRAZPEDWRI-DX dataset

Software Engineer, Great Taipei Corporation, Taiwan

Mar 2019 - Jul 2022

- **Full-Stack Development of mobile application:** Led team of 3 in developing 12+ mobile applications with Delphi and JavaScript by using Restful structure, achieving an average rating of 4.2/5 stars.
- **MVC-based web application:** Developed high-performance web interfaces using JavaScript, Refactored complex UI to enhance modularity and scalability, reducing maintenance overhead by 30%.