

NELLY WANG

CONTACT

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SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, HTML5, CSS3, Vue.js, React.js
- **Tools & DevOps:** Gitlab, CI/CD, A/B Testing, Serverless
- **Visualization & UI:** Echarts, Responsive Design, figma
- **Practices:** Agile Development, Usability Testing, Design Thinking, UI/UX Collaboration, Secure Coding

EDUCATION

Master of Science, Computer Science

University of Adelaide - Adelaide, SA (07/2023 – 07/2025)

PERSONAL SUMMARY

Front-end developer with 2+ years at TikTok, skilled in React and TypeScript. Focused on performance, scalability, and building smooth user experiences.

PROFESSIONAL EXPERIENCE

Front-End Developer • TikTok (Bytedance)

(07/2021 – 07/2023)

Mobile Web Page Development

(07/2021 – 04/2022)

- **Developed responsive web features** using **React Native** and **TypeScript** for both **iOS and Android**, ensuring **smooth performance across devices**.
- Built a movie ticket booking page with **custom RESTful API integration**, enabling **real-time seat selection** and **order submission**. The pages supported **1M+ daily views** and were designed with **flexible layouts for different screen sizes**.
- Built **real-time dashboards** with **ECharts** to help TikTok creators understand their content performance. This improved the **user experience** and supported **millions of users**. Retention time **increased by over 30%** after launch.
- **Worked in an Agile team** to launch a **Spring Festival mini game** in **2 months**, completing **10+ Jira tickets without delays** and achieving the **highest user acquisition ROI** among all Chinese New Year campaign pages of TikTok China that year.
- Created **20+ technical docs** and led **5+ knowledge-sharing sessions** on **cross-platform architecture** and **CSS animation** to support **team growth and collaboration**.

Cross-Platform Monitoring SDK

(04/2022 – 07/2022)

- **Led the design and development** of a **Cross-Platform performance monitoring SDK** for the **TikTok app inner pages**. It tracked key metrics like **load time** and **FMP, FCP** to help improve user experience.
- The SDK was used by **10+ product teams** and integrated into **50+ in-app pages**, helping identify performance issues across the app.
- **Built the release pipeline** with **unit tests** and **CI/CD automation** using **Git** and inner tools like **Bitbucket**, ensuring safe and efficient deployment.

Dynamic Instant Messaging Card UI & Performance Optimization

(07/2022 – 07/2023)

- **Developed a dynamic card system** for **TikTok IM** using **low-code configuration**, reducing **manual coding by 50%**. **Led performance profiling** and optimization, **cutting load time by 70%**.
- **Collaborated with data analysts** to design and run **A/B testing plans**, using **analytics tools** and **session recordings** to monitor **user behavior** and **improve UI performance** and **engagement**.

Intern Front-End Developer • TikTok (Bytedance)

(09/2020 – 07/2021)

- Built core features for the **TikTok China Creator Service Platform** using **React.js**, enabling creators to upload videos and manage descriptions through a **responsive web interface**.
- **Worked with marketing, product, and design teams** to build the **TikTok China official website**. Turned ideas into **interactive, full-screen experiences** with **parallax effects**, and developed **responsive, accessible, and brand-consistent UI** across devices.
- Supported marketing and branding efforts by delivering a **high-performance front-end architecture**, helping the site consistently reach **100k+ daily page views**.
- **Designed and maintain** my personal website. Deployed the website using **serverless architecture**.