NELLY WANG

CONTACT

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EDUCATION

Master of Computer Science
University of Adelaide - Adelaide, SA *(07/2023 – 07/2025)*

SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, HTML5, CSS3, Vue.js, React.js, webpack
- **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

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 an **ecommerce 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 **performance monitoring SDK** for the TikTok app **inner pages**. Tracking key metrics like **load time** and **FMP, FCP** to help improve user experience, with data reporting implemented in **Node.js**.
- 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, webpack** 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 and Ant Design**, 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 and node.js.**