

# Tony Yu

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## SUMMARY

Frontend engineer with close to 5 years of experience developing tested, enterprise-grade applications using React and the JavaScript ecosystem.

## SKILLS

- **Languages:** HTML, CSS, JavaScript, TypeScript, Python
- **Technologies:** React, Next.js, React Native, Tailwind, Sass, Storybook, Jest, React Testing Library, Playwright, Webpack, Vite, Node.js, Express.js, Figma, Docker, PostgreSQL

## WORK EXPERIENCE

### **Senior Software Engineer @ Nielsen** 12/2019 - 07/2024

- Incrementally introduced TypeScript and retroactive testing to legacy applications to improve software quality, resulting in a reduction of production issues and support tickets.
- Optimized a critical React application by implementing code splitting and lazy loading, identifying anti-patterns, and eliminating unnecessary renders, resulting in a 30% reduction in initial load times.
- Designed and built a video annotation tool enabling users to annotate thumbnails generated directly on the client side, effectively eliminated S3 costs, reduced backend complexity, and supported our ad business.
- Collaborated with designers and developed a Web Component UI library with Lit, streamlining development and ensuring a consistent brand image and user experience across Nielsen's web applications.
- Configured CI/CD pipelines on Gitlab to automate testing, building, and deployment of dockerized applications.

### **Software Engineer @ Tilt Access** 07/2020 - 07/2021

- Architected a highly scalable, accessible, and responsive front end following modern best practices in component architecture design and state management.
- Maximized performance and SEO by adopting hybrid client-side and server-side rendering strategies.
- Translated designer mockups into responsive code, ensuring 100% pixel-perfect precision.
- Replaced REST APIs with GraphQL APIs, reducing the number of API calls from the client by 50%.

## PROJECTS

### **ABBY - Financial Dashboard Mobile App**

[Figma Mockup](#) / [Front End Repository](#) / [Back End Repository](#)

- Designed and architected the front and backend, using Figma, React Native, and Express.js as my main tools.

### **tonyyu.dev - Portfolio & Blog**

[Website](#) / [Front End Repository](#)

- Designed and built a fully responsive and accessible portfolio with React and deployed with Netlify.

## EDUCATION

- **Le Wagon**, *Web Development Program*
- **UC Irvine**, *B.A. Business Economics*