

# JUSTIN HOANG

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## SKILLS

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- **Languages** - TypeScript, JavaScript, Java, Python, HTML/CSS, SQL, C++
- **Frontend** - React.js, Next.js, Vue.js, TailwindCSS, React Native
- **Backend** - GraphQL, REST, Node.js, Express, Spring Boot, Prisma
- **Technologies** - MongoDB, MySQL, PostgreSQL, Neo4j, Prisma, Github, Git, Cypress, Jest, Storybook, Docker, Stripe, Clerk, Coolify

## PROFESSIONAL EXPERIENCE

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### Airble Aviation, Full-Stack Developer

Jan 2023 - Dec 2023

- Created technical documentation highlighting Segment implementation, which improved onboarding efficiency.
- Refactored responsive landing pages using **React** and **TypeScript**, achieving 15% increase in SEO performance.
- Engineered **GraphQL APIs** and **MySQL** queries for flight data optimization, eliminating duplicate and improving data accuracy.
- Integrate Segment CDP to the marketplace product, resulting in 25% improvement in tracking accuracy in **Google Analytics** and **Google Ads**.

### Benevity Inc., Software Developer

May 2022 - Sept 2022

- Developed **Vue.js** components with **Jest** unit testing, ensuring 100% test coverage for new features.
- Developed content prioritization feature serving global clients, driving 20% improvement in user efficiency.
- Managed code versioning and collaboration through **Git** and **BitBucket**, following industry best practices.
- Implemented component testing framework using **Cypress** and **Storybook**, maintaining design system consistency.

### Zebra Robotics, Codings & Robotics Instructor

Sept 2024 - Present

- Led classes of students aged 8–14 in Robotics and Computer Programming, tasked with boosting engagement and comprehension in **Python** and **JavaScript**.
- Developed and delivered hands-on lessons and coding challenges aligned with student skill levels.
- Introduced interactive projects like robot obstacle courses and simple game development, increasing student participation.

## PROJECTS

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### Spair | Education SaaS

<https://spair.app>

- Designed and engineered the architecture of an education platform that enables thousands of students to connect and collaborate with **Next.js**, **TailwindCSS**.
- Designed and implemented recommendation systems that focus on connecting people with similar backgrounds using **Apollo GraphQL**, **Prisma** and **PostgreSQL**.
- Integrated systems with **Clerk** and **Stripe**, and **automated webhooks** enable consistent and seamless transition between operations and premium features.
- Integrated AI capabilities with **OpenAI**, **Anthropic** and **Qdrant** to help improve active recall learning and information retention.
- Developed real-time collaboration and peer-to-peer communication features with **WebRTC** and **CRDT**.
- Designed and integrated email invite system with **MailerSend** service enabling seamless communication.

### Portfolio

<https://justinhoang.netlify.app/>

- Designed, built and refactored to follow UX/UI principles (user-centered design, consistency, simplicity, and accessibility)

## EDUCATION

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Thompson Rivers University - B.S in Computer Science

2024

Douglas College - A.S in System Info & Technologies

2020