Justin Chu

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WORK EXPERIENCE

EventID   **September 2020 – December 2020**
Full Stack Developer (Part-time)   *Toronto, ON*
- Migrated legacy ASP.NET front-end to a modern React web application and redesigned UI with Figma
- Developed back-end using Node.js and an Express server, querying a MySQL database through REST API calls
- Utilized Passport.js to implement secure user authentication through email and Google sign-in

Infobase Solutions   **July 2017 – August 2018**
Software Developer (Internship)   *Toronto, ON*
- Built an Amazon Alexa skill POC for Scotiabank that responded to customer voice queries
- Utilized the Scotiabank API to get bank information and the Google Maps API to find nearby bank locations
- Developed voice UI using JavaScript and the Alexa Skills Kit SDK, using an AWS Lambda function to host it

PROJECTS

DevLyte (https://devlyte.com)   **November 2020 – Present**
- Designed, built, and deployed a full stack social media web application for developers to share their favourite projects, using React, TypeScript, and Node.js
- Utilized Node.js and an Express server to create back-end, querying a PostgreSQL database with GraphQL, and used Redis to store user sessions
- Implemented server-side rendering to optimize SEO with Next.js and used Tailwind CSS to style front-end
- Employed URQL and TypeORM as middleware, and deployed website on Docker and Vercel

React Fast Marquee (https://react-fast-marquee.com)   **October 2020 – December 2020**
- Created and published an open-source React component that received 2000+ downloads on npm
- Conducted thorough unit testing with Jest and Enzyme, and created a CircleCI CI/CD pipeline to perform continuous integration with GitHub
- Developed in TypeScript and SCSS, and built an accompanying website containing documentation and demos

Earf: The Card Game (https://playearf.com)   **July 2020 – December 2020**
- Designed and developed a website for a card game startup, using React, Gatsby, and Figma
- Utilized Styled Components and Bootstrap to create a polished UI, focusing on a mobile-first design strategy

Hackathons (https://devpost.com/justin-chu)   **November 2019 – Present**
- Winner of Scotiabank's award for Best Fintech Hack at Hack Western 6; developed a mobile app that made charitable donations simpler using Java, Android Studio, and Google Firebase
- Winner of Blockstack's award for Best Use of API at Hack the Valley 4; utilized Blockstack and React Native to create a cross-platform and decentralized mobile app that aimed to reduce food waste

EDUCATION

University of Waterloo   **September 2020 – April 2024**
Bachelor of Computer Science   *Waterloo, ON*
- 3.9/4.0 GPA – Dean's Honours List

University of Toronto   **September 2019 – April 2020**
Bachelor of Science, Computer Science   *Toronto, ON*

SKILLS

- **Languages:** JavaScript | TypeScript | C++ | Java | SQL | HTML5 | CSS | Python
- **Frameworks & Tools:** React | Node.js | React Native | PostgreSQL | MySQL | Express | GraphQL | Next.js | REST API | Docker | Redis | Gatsby | Jest | Enzyme | Git | Vim | Linux CLI | Figma