# Albert Tran

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## SKILLS

**Languages** : Python, JavaScript, Java, C++, C, SQL, Ruby
**Technologies** : React, Node.js, Express.js, MongoDB, Axios, Redux
**Tools** : Postman, PhotoShop, Figma, Zeplin, Git, Slack

## EXPERIENCE

**Sponsor Circle Inc.**                                        Jun. 2021 – Sep. 2021
*Full-Stack Developer*                                                  Toronto, ON

- Spearheaded front-end overhaul from Rails to **React** decreasing technical overhead, reducing server response and page rendering times by **40%**, lowering memory usage, and improving long term scalability
- Worked in both design and development teams, accelerating productivity by facilitating the design integration process, increasing average production rate of new pages by **135%**
- Refactored and engineered new end-to-end RESTful API systems using **Ruby** and **Axios**
- Rewrote **90%** of company website into React utilizing React hooks and **React-Redux** state management
- Designed new/updated pages in **Figma** and **Zeplin**, creating CSS animations and cross-platform designs

## PROJECTS

**Memoirs** ☕                                                          Mar. 2021
*React, Node.js, Express.js, MongoDB*

- Developed and launched a social media web application where users can like, edit, and post memoirs
- Created user interface with experienced use of React managing state with **React-Redux/React hooks**
- Engineered database using **MongoDB** and built end-to-end **RESTful API** using **Node.js/Express.js**

**Bright Sky** ☕                                                       Aug. 2021
*React, Node.js, Axios*

- Built a web application that tracks, manages, and compares live weather patterns
- Leveraged the OpenWeatherMap API to adaptively display real-time data of multiple cities using **Axios**
- Established front-end with **React**, using **pure CSS** and implementing a responsive cross-platform design

**Folio** ☕                                                            Oct. 2020
*Node.js, Express.js, Mongoose, MongoDB*

- Designed and developed an online portfolio builder for co-op students with **50+ registered users**
- Allows users to upload/create/share their resume, art, and projects to friends and employers
- Created a fully functioning registration system connected to **MongoDB** through **Mongoose**

**Dino Jump 3D**                                                       Nov. 2020
*C++, Java*

- Developed an endless runner game with 3D assets made in Processing using **Java**
- Implemented Arduino communication and accelerometer based **motion detection** to control player movement
- Utilized **object-oriented** approach to develop logic of multiple power-ups and enemies

## EDUCATION

**University of Waterloo**                                              2020 - Present
*Bachelor of Software Engineering (BSE)*                            Waterloo, Ontario

- **GPA**: 3.97, **CAV**: 92.67%
- **Coursework**: Data Structures, Algorithms, Databases, Compilers