Raymond Chu

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Skills

Languages:	C/C++ • JavaScript • TypeScript • SQL • Python • Linux/Unix • HTML/CSS/SCSS • Java
Frameworks:	ReactJS • VueJS • ExpressJS • ThreeJS • NextJS • Redux • Vuex • Ruby on Rails • Jest • Cypress • RSpec
Data Storage:	MySQL • PostgreSQL • MongoDB • Oracle SQL
Infrastructure & Tools:	Heroku • Git • GraphQL • Contentful CMS

Experience

Software Developer Intern @ MediaMonks/Jam3 Media Agency
Toronto, ON | Jan 2023 – April 2023

- Spearheaded the implementation of Woven by Toyota's marketing web application with NextJS and Typescript to cater to **thousands of daily users**
- Devised an optimized CMS pipeline that seamlessly sources **over hundreds of data types** from **Contentful's CMS** and integrates them into the component-based front-end architecture of the web application
- Developed Toyota's careers page by fetching high volume of job posting data from **Lever API**, parses it, and displays the job postings in accordance with the motion designs
- Engineered an animated and high-traffic single page application utilizing **React, Typescript, SCSS, and Greensock Animation Library** to advertise the popular Mandalorian television series for **over millions of viewers**
- Utilized **Deepfakes machine learning algorithm** to extract faces and **train models** to precisely swap the faces of people within videos
- Conceptualized and developed generative art of high-quality 3D renders of ocean landscape using **shaders in ThreeJS and React**

Software Developer Intern @ Vidyard
Waterloo, ON (Remote) | Jan 2022 – Aug 2022

- Collaborated on the onboarding team to develop rich features to help users integrate into the product efficiently and intuitively
- **Led the admin onboarding project** to implement analytical events for admin onboarding to measure current onboarding success and pain points
- Revamped the onboarding process by developing a new flow with new pages in **VueJS and Ruby on Rails**, reducing onboarding friction and increasing successful onboarding rates by **~10%**
- Developed a sales coaching feature using **Appcues, VueJs, and Ruby on Rails** to help guide sales users on how to create effective sales videos, increasing video creation rates by **~5%**
- Implemented video recording limitations and reduced video storages to **100,000+ users** in order to promote higher tiered pricing packages and drive business revenue to **$1 billion**
- Supported the transition to fully automated QA testing by adding **Jest, RSpec, and Cypress end to end testing** to codebase

Software Developer Intern @ MedMeHealth
Toronto, ON (Remote) | May 2021 – Aug 2021

- Collaborated with the product manager and designer in a **fast-paced environment** to ship **dynamic features** for the COVID-19 Vaccine rollout
- Architected and developed a front-end feature that allows **1000+** pharmacists to personalize their appointment descriptions, emails, and SMS texts using a rich text editor in **ReactJS, DraftJS,** and **Apollo GraphQL**
- Developed new **ReactJS UIs** that allow the clients of **800+** pharmacies to book vaccine appointments efficiently and intuitively
- Refactored front-end architecture by creating a library of over 10 React components to improve **scalability, maintenance,** and **agile development** by **more than 50%**
- Established a **multi-tenancy** backend server using **Apollo NodeJS** and **PrismaJS** as an ORM to securely route API calls to the appropriate database

Education

Seneca College | BTech in Software Development
2019 – Expected Aug 2023

Relevant Courses: Object Oriented Programming, Data Structures & Algorithms, SQL Database Design

University of Waterloo | BSc in Biomedical Sciences
Graduated

Relevant Courses: Concepts for Advanced Computer Usage