

Hong Yi Chen

COMPUTER SCIENCE AND BUSINESS DOUBLE DEGREE STUDENT · SOFTWARE DEVELOPER

✉ hy6chen@uwaterloo.ca | 🌐 hongyi-chen.github.io | 📧 hongyi-chen | 📺 hong-yi-chen

Skills

Languages Java, C, HTML/CSS, JavaScript, Apex, Scheme
Libraries/Frameworks React, Redux, Angular, Express, GraphQL, Jest, Gherkin/Cucumber
Tools MongoDB, Selenium, Salesforce, CircleCI, Git, Figma

Work Experience

Kooltra

Toronto, Ontario

SENIOR ASSOCIATE SOFTWARE ENGINEER

May. 2020 - Aug. 2020

- Developed end-to-end features using **React** and **Apex** for **SalesForce**-based FX trading platform
- Built multiple client facing dashboards, populating data through a **GraphQL**-like query and **microservice** architecture
- Improved dashboard performance by memoizing and refactoring React components, reducing re-renders by **25%**
- Designed comprehensive, automated acceptance tests using **Selenium**, **Gherkin**, and **Jest**, reducing test runtimes by **15%**
- Used **SOLID** principles, design patterns, and **Behaviour Driven Development** philosophy to write clean, robust code

Royal Bank of Canada

Toronto, Ontario

INNOVATION DEVELOPER

July. 2019 - Aug. 2019

- Revamped front-end of internal talent and performance management platform for **1700+ employees** using Angular
- Ensured responsive **cross-platform compatibility** of web pages for all employee devices and browsers
- Conducted **UI/UX research** through interviews while managing project tasks using **JIRA** and applying **agile** methodologies
- Won **IoT award** in an internal Voice hackathon (20+ teams) by using a Raspberry Pi to integrate **MyCroft** and **RASA**

AcornTalent

Toronto, Ontario

CHIEF PRODUCT OFFICER AND CO-FOUNDER

Oct. 2018 - July. 2019

- Led a team of 7 in full-stack development using HTML/CSS/JavaScript, MongoDB, and Heroku; garnering **300+ platform users**
- Designed web pages using Adobe XD based on various **user journeys** and **personas** to create intuitive UI/UX
- Conducted internal and external **QA testing** weekly, iterating on issues and **increasing total user sessions**
- Ran internal **ideation** sessions, product sprints, and **market research** (product-market fit) related activities

Logics Academy

Markham, Ontario

WEBSITE DEVELOPER AND MARKETING INTERN

July. 2018 - Sept. 2018

- Revamped product pages with new content, layouts, and animations using HTML/CSS/JavaScript, React and Bootstrap
- **Increased conversion rate by 2%** by redesigning and optimizing e-commerce store based on user feedback
- Grew social engagement and overall reach on Twitter, Instagram, and Facebook by **20%** through **targeted campaigns**
- Conducted website **QA testing** to discover errors, optimize usability, and ensure cross-platform compatibility

Projects

Innisfil Timecard System

- MVP of digital timecard and shift tracking system for physical workers, designed and built with Town of Innisfil
- Built **CRUD** webapp using **MERN stack** to replace existing paper and Excel based management system

tourhub

- Personalized travel and booking platform using React, Firebase, Google Cloud, Node.js with Accenture API
- Awarded **Best Use of Accenture's "Accentours" API Prize @ Hack the North 2019** with 1000+ participants

PPALLI

- Count-down timer, break scheduler, and productivity tool to prevent YouTube binge-watching (released on Chrome Store)
- Built Chrome Extension using **React**, **JavaScript**, and **JQuery** while conducting iterative user research and **UX design**

Education

University of Waterloo and Wilfrid Laurier University

Waterloo, Ontario

CANDIDATE FOR COMPUTER SCIENCE AND BUSINESS ADMINISTRATION DOUBLE DEGREE

2019 - 2024 (expected)

- Involved in Tech+, WATonomous Design Team, Ultimate Frisbee, Badminton Club, and Math Orientation (leader)