

# Hong Yi Chen

COMPUTER SCIENCE AND BUSINESS DOUBLE DEGREE STUDENT · SOFTWARE DEVELOPER

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## 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 methodology 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 (30+ 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)

- **Tech+ UW - General Events Organizer**: organizing virtual events (resume critiques, mock interviews) for **300+** students
- **WATonomous - Sponsorship Coordinator**: designing sponsorship packages and raising **\$3000+** in funding
- Other involvements: Math Orientation Leader, UW Badminton Club, Ultimate Frisbee Intramurals, Xlerate Laurier