

# Hong Yi Chen

COMPUTER SCIENCE AND BUSINESS DOUBLE DEGREE STUDENT · DESIGNER AND DEVELOPER

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## Skills

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**Programming** Java, C, HTML/CSS/JavaScript, React, Redux, Angular, Apex, Scheme

**Tools/Technologies** MongoDB, SQL, Selenium, Gherkin, Salesforce, Illustrator, Figma, JIRA, Postman, Rasa, Mycroft

## Work Experience

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### Kooltra

Toronto, Ontario

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, generating data through a **GraphQL**-like query architecture
- Redesigned comprehensive, automated acceptance tests in **Python** using Selenium, Behave, and AWS
- Used SOLID principles, design patterns, and BDD development philosophy to write clean, robust code

### Royal Bank of Canada

Toronto, Ontario

INNOVATION DEVELOPER

July. 2019 - August. 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

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### tourhub

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

### exercise-tracker

- Exercise and user tracker (stores and extracts user input) built using MongoDB, Express, React, Bootstrap and Node.js
- Built webapp on **MERN stack** that retrieves JSON objects from a MongoDB cluster

### chromeSummary

- Chrome plugin that creates summary of webpages using Watson's NLP Analysis, Python back-end and a Heroku server
- Used Python's NLTK and Google's Tensorflow to filter, deconstruct and reconstruct data into readable summaries

### sentimint

- Webapp that processes journal entries to identify and track underlying emotions
- Built using React, Firebase and Google Cloud's NLP APIs to perform sentiment analysis

## Education

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### University of Waterloo and Wilfrid Laurier University

Waterloo, Ontario

CANDIDATE FOR COMPUTER SCIENCE AND BUSINESS ADMINISTRATION DOUBLE DEGREE

- Involved in WATonomous Design Team, Intramural Ultimate Frisbee, Badminton Club, Data Science Club, and Xlerate