

Hong Yi Chen

COMPUTER SCIENCE AND BUSINESS DOUBLE DEGREE STUDENT · PRODUCT MANAGER · SOFTWARE DEVELOPER

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

Skills

Development Java, C++, Python, SQL, HTML/CSS/JavaScript, React, Angular, Selenium, Gherkin/Cucumber, Git
Tools Jira, Confluence, Asana, Figma, Adobe XD, Zeplin, Salesforce, MongoDB, CircleCI, R
Product Design Thinking, Agile/Scrum Methodology, User Research, Data Analysis

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 Python**, reducing test runtimes by **15%**
- Assisted Product Manager with **project roadmaps, UI/UX** designs, user interviews, and data analysis
- 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 5%** 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

Leadership and Projects

Innisfil Timecard Built/designed **MVP** of digital timecard and shift tracking system for Town of Innisfil frontline workers
Greenback Led a team of **25** in raising **\$10,000** in funding, creating **225% ROI**, and iterating on product feedback
PPALLI Led a team of **7** developers in designing and building a productivity extension, released on Chrome Store

Awards

2020 **1st Place**, BDO New Venture Competition (8 months long, 200+ total teams) Wilfrid Laurier Uni.
2018 **1st Place**, Discover AI Upskilling Journey - Business and Finance Path Microsoft
2019 **Accenture API Winner**, Built a personalized travel and booking platform using React, Firebase, and Figma Hack the North
2019 **Award Recipient (3)**, Junior Achievement Leadership in Innovation, Production, and Company of the Year JA Canada
2018 **4th Place**, DECA International Career Development Conference LEP Category DECA ICDC Atlanta

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