Hong Yi Chen

COMPUTER SCIENCE AND BUSINESS DOUBLE DEGREE STUDENT · SOFTWARE DEVELOPER

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Skills

Languages	Java, C, C++, HTML/CSS, JavaScript, Apex, SQL, Scheme
Libraries/Frameworks	React, Redux, Angular, Express, GraphQL, Jest, Gherkin/Cucumber
Tools	MongoDB, Selenium, SalesForce, CircleCI, Git, Linux/Unix, 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 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

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