

EXPERIENCE

Mobile Engineer / Wave HQ / Winter 2018

- Launched 3 new features for Invoice by Wave on iOS and Android platforms with impact on **2+millions** users using **React Native**, **Kotlin** and **Objective-C**
- Implemented iOS biometric authentication module to enhance app security
- Designed and launched Payments Onboarding process; **500+ users/ month** start to receive credit card and bank payments by onboarding on mobile

Software Engineer / LoyaltyOne / Summer 2017

- Designed and created fraud-checking service using **ES6**, **React** and **Redux**
- Created credit card record processor using **Java** to ensure data validity and consistency. Processing **5000+ transactions / day**.

Application Developer / CIBC / Fall 2016

- Created internal request submission and classification tool
- Launched features including sending confirmation email, file upload and PDF generation

PROJECTS

<https://y77cao.github.io> / Vue 2, GSAP, WebGL

A fully responsive introduction website integrating 3D animation.

UWLife(iOS) / Swift 4, Firebase

An accommodation platform for students providing features such as sublet, carpool and text-book trading.

fTodo(iOS) / Swift 4

A minimalist design iOS todo app with harsh encouraging quotes, supporting deadlines, reminders, customization, etc. in premium version

myStat / ES6, Vue, Chrome extension API

A browser extension analyzing daily browser usage including page visits, time spent and history.

Colordoscope / React, Node, Computer Vision API, ES6

<https://colordoscope.herokuapp.com>

An image search engine analyzing input image and provide results with similar content and color tone.

ChamberCrawler3000 / C++

A simplified rogue-like game using decorator and observer pattern.

Product design: Please see personal site for design portfolios

EDUCATION

Candidate for Bachelor of
Computer Science,

Digital Fine Arts Option

University of Waterloo

Waterloo, ON

Dec 2015-present

- President's scholarship
of Distinction

ACTIVITIES

Lead Designer

KWCSSA

Marketing Executive

UW ETIC Club

Currently learning:

reactive programming /
product design / product
management / prototyping

SKILLS

Programming

ES6 / RxJS / React
(Native) / Vue / Swift /
Objective-C / C++ / C /
Java / Scala / Ruby

Design

Photoshop / Illustrator /
InDesign / AE / Sketch