



3A Computer Science  
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<https://github.com/y77cao>

## SKILLS

### Front End

React ( Redux / Mobx / Native ) / Angular / Vue.js / ES6 / HTML / CSS / Javascript / JQuery / Bootstrap / WebGL

### Back End

Scala / Node / C++ / C / Java / SQL / Mongo DB / Swift

### Tools & Others

REST API / Git / Vim / NPM / LaTeX

### Design

Photoshop / Illustrator / InDesign / After Effect / Sketch

## 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

Feb 2016 - Present

### Marketing Executive

UW ETIC Club

May 2017 – Present

### Interest:

design / photography / skiing / travelling / movies

# YUJIA(ALICE) CAO

Developer / Designer <http://y77cao.github.io>

## EXPERIENCE

### Software Developer

May 2017 – Aug 2017 / LoyaltyOne / Toronto, ON

- Developed credit card transaction record processor using **Java** to ensure validity of records and data consistency between transactions and local data. Over **5000+ transactions** are processed using this application every day.
- Implemented front end of fraud service tool using **React** and **Redux** to provide better **user experience**.
- Designed and implemented automation test for airmiles.ca flight and car booking system using **Ruby Cucumber**.

### Application Developer

Aug 2016 – Dec 2016 / CIBC / Toronto, ON

- Developed form submission component and request classification tool using **Java**.
- Enhanced application speed by optimizing workflow and **solving defects by 15%**
- Conducted industry-relevant research on relational and non-relational databases

## DEVELOPMENT & DESIGN PROJECTS

### Colordoscope

May 2017 / React, Node, Computer Vision API, ES6

<https://colordoscope.herokuapp.com>

Created intelligent image search engine that analyzes input image and provide results with similar content and color tone.

### GiveMeSomething

In Progress / Vue.js, Node, TMDB API, ES6

Developed movie suggestion app that based on user input syntax "Give me something \_\_\_\_" or "I am feeling \_\_\_\_ today".

### MIPS Assembler

Feb 2017 / Scala

Implemented assembler for converting assembly code to machine code.

### TreeHollow

Nov 2016 / Angular, Node, Express, Mongo DB

Developed note board with post, in-line edit and delete functionalities.

### ChamberCrawler3000

Aug 2016 / C++

Designed and developed a simplified rogue-like game using decorator and observer pattern.

**Design Projects:** SuperMath / ScheduleHero / UWGymSchedule, etc  
Please see <http://y77cao.github.io> for details