



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

Canadian Imperial Bank of Commerce / 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

Aug 2017

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