

Austin Chen

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Skills

FULLSTACK

node
react
express
django
mongodb
couchdb

TECHNOLOGIES

git
mocha
redis
nginx

LANGUAGES

javascript
python
java
c++
html5 / css3

Awards

EUCLID MATH CONTEST

Certificate of
Distinction (top 25%)
University of Waterloo
April 2017

CANADIAN COMPUTING COMPETITION

Certificate of
Distinction (top 25%)
University of Waterloo
February 2017

Education

UNIVERSITY OF WATERLOO

Candidate for BAsC in
Computer Engineering
Cumulative Avg: 85%
September 2017 to
May 2022

Hobbies

photography
speed cubing
film making

Employment

IBM

Toronto, ON

Software Developer

January 2019 to April 2019

- Developed, documented, and tested front-end features for IBM Cloud Platform's Continuously Delivery service using **React** and **WebdriverIO**
- Built a **Node microservice** that gives developers the ability to post service-status notifications directly to UI clients through Slack, improving transparency with customers on critical issues
- Enhanced **Express** APIs and database models for multiple service brokers to block suspended users from accessing particular cloud resources
- Separated client-side API requests to run in parallel, decreasing load times by 25%

CLIMAX MEDIA

Toronto, ON

Software Development Engineer in Test

May 2018 to August 2018

- Developed and integrated a React application within an existing web portal which is used by QA analysts to sort and organize test cases
- **Automated** testing workflow by writing end-to-end test suites using NightwatchJS, as well as test scripts to verify API responses

Projects

AUTOCRITIC

January 2019

python • natural language processing

- Built a web application that leverages **sentiment analysis** to predict film ratings, averaging within 10% of Rotten Tomatoes scores
- Created a **Django** server that processes search queries for films and utilizes web scraping with html parsing to collect and store 100+ reviews per film
- Trained a **logistic regression** model using **sklearn** and **nlTK** on count vectors produced from review data to identify positive and negative reviews

WATCH ALONG

August 2018

node • fullstack app • web sockets

- Built a content consumption platform which allows multiple users to watch online videos synchronously with each other
- Utilized **socket.io** to synchronize client-side video player events with the server to ensure concurrent playback among all connected clients
- Created custom video player controls that interface with Youtube Player API to control video playback on the client

MYTASKS

July 2018

node • mongodb • fullstack app • web sessions

- Developed a **responsive** task management web application using Node with Express in which users can schedule, manage, and organize tasks and events
- Implemented account registration and **user authentication** using Passport.js with the option to authenticate with a Google account using **OAuth2.0**

TWEET ANYWHERE

May 2018

react • single-page app

- Developed a single-page React application that allows users to search for Tweets by location and save selected Tweets to a **mongo** database
- Implemented Google Maps and Twitter APIs to convert location searches to coordinate points and fetch Tweets made within a set radius from the coordinates