

Austin Chen

✉ austinhxchen.com | ✉ hx4chen@edu.uwaterloo.ca | ☎ (647) 636 0711 | 🌐 austichen | 🌐 austinhxchen

Skills

FULLSTACK

node
react
express
django
gatsby

TECHNOLOGIES

git
aws
jenkins
redis

LANGUAGES

javascript
python
java
c/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

CAPITAL ONE

Toronto, ON

Software Engineer

September 2019 to December 2019

- Implemented a telemetry system for internal packages which utilizes serverless API architecture on **AWS Lambda** and **CLI** tools for package consumers
- Created reusable **React** components for Capital One's in-house UI library, reducing the size of frontend codebases by **60%** for several teams in the studio
- Configured **CI/CD** pipelines using Jenkins and semantic-release to automate the versioning and deployment of internal npm packages

IBM

Toronto, ON

Software Developer

January 2019 to April 2019

- Built a message broker using **Node** and **Redis**, enabling developers to use Slack to post service-status notifications to the IBM Cloud web console quickly and securely
- Enhanced backend **Express** APIs to block suspended users from accessing cloud resources, reducing costs related to unauthorized resource consumption
- Developed, tested, and maintained new front-end features in React for Open Toolchains, IBM Cloud Platform's DevOps offering used by **20 million** developers

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 to sort and organize test cases by priority, speeding up the QA workflow
- Automated testing workflow by writing end-to-end test suites using **WebdriverIO** and **Selenium**, 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+ movie reviews per film
- Trained a **logistic regression** model using **sklearn** and **nlTK** on film review feature sets encoded as sparse matrices 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 from the client

MYTASKS

July 2018

node • oauth2.0 • fullstack app • web sessions

- Developed a **responsive** task management web application using Node with an MVC design 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