# Austin Chen

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## Skills

**FULLSTACK**
node
react
gatsby
graphql
express
django

**TECHNOLOGIES**
git
aws
jenkins
redis
selenium
pandas
matplotlib

**LANGUAGES**
javascript
python
java
c/c++

## Awards

EUCLID MATH CONTEST
Certificate of Distinction (top 25%)
*University of Waterloo*

CANADIAN COMPUTING COMPETITION
Certificate of Distinction (top 25%)
*University of Waterloo*

## 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

- Built and deployed a telemetry system for internal packages utilizing serverless architecture on **AWS Lambda** with ALB/Route53 for routing and load balancing
- Created a reusable React Hook to fetch dynamic credit card data, replacing a set of hardcoded values that were manually updated and injected at buildtime
- Developed reusable **React** components with 100% unit test coverage for Capital One's in-house UI library, reducing the size of frontend codebases by up to **60%**
- Configured **CI/CD** pipelines using Jenkins and semantic-release to automate the versioning and deployment of internal 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
- Developed, tested, and maintained new front-end features in React for Open Toolchains, IBM Cloud Platform's DevOps offering used by **20 million** developers
- Enhanced backend **Express** APIs to block suspended users from accessing cloud resources, reducing costs related to unauthorized resource consumption

**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

MESSENGER INSIGHTS                                          December 2019
*python • pandas • node • gatsby • graphql*

- Built a Python tool that utilizes **pandas** and **matplotlib** to graph trends in users' Facebook Messenger usage based on parameters provided through the CLI
- Developed an interactive **Gatsby** site to dynamically query and visualize the processed data in an engaging manner

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
- Trained a **logistic regression** model using **sklearn** and **nltk** on film review feature sets encoded as sparse matrices to identify positive and negative reviews
- 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

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