

# FULLCHEE ZHANG

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in linkedin.com/in/fullchee-zhang

🔗 github.com/Fullchee

Portfolio: fullchee.github.io

## EDUCATION

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B.S. in Computer Science

University of Toronto (St. George)

📅 Sept. 2014 – June 2019

📍 Toronto

- CGPA: **3.83** (out of 4)
- Dean's List: 2015-2017

## EXPERIENCE

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Developer Volunteer

Courseography (Open Source Project at U of T)

📅 Jan. 2019 – Present

📍 Toronto

- Collaborated with a professor to improve the maintainability of a React app for future volunteers (CI, Testing, Linting, Refactoring, Git Hooks)
- Presented updates at weekly meetings to share learned lessons and communicating updates
- Applied React, Jest, Webpack, ES2015+ and CircleCI to increase code quality for future contributors

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Implementation/QA Engineer

pVelocity Inc.

📅 May 2017 – Apr. 2018

📍 Toronto

- Created an automation tool with Node.js and MongoDB to increase integration and simplify the process for the app implementer and tester
- Automated a cross-platform MongoDB migration using Git and Node.js, saving 10 mins per migration
- Designed and Implemented XML Test Cases to ensure the quality of the product

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Software Development Intern

Passionfruit Inc.

📅 June 2018 – Aug. 2018

📍 Toronto

- Improved UI experience by reporting and resolving issues in the React Native app

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Teaching Assistant

University of Toronto

📅 Sept. 2016 – Dec. 2016

📍 Toronto

- Preparation was done beforehand to anticipate potential student questions and difficulties to maximize learning
  - Scheduled time to mark and answer questions from eight groups during weekly three hour labs
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## WEB DEV PROJECTS

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Car Detail Exchange Web App

📅 Aug. 2016

- SQL: Developed the **REST API** to fetch and update user data from a **MySQL** Server
- Built with Node.js, npm scripts and the Express framework

Educational site on dragon boat calls

📅 Dec. 2017

- Static site for new paddlers to learn dragon boat calls with descriptions and videos

HTML5 Canvas Game

📅 Aug. 2016

- HTML5 Canvas game with jQuery and JavaScript

## PYTHON PROJECTS

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Machine Learning Python Projects

📅 2017-2018

- Image of Digit Completion using a Mixture of Bernoulli distributions (Oct. 2018)
- Pacman Game Tree Search
- Class scheduler (Constraint Satisfaction Problem)

## JAVA PROJECTS

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- Online Prim's Algorithm: Scaled to accommodate very large inputs
- Google Scholar Web Scraper with regular expressions

## SCRIPTING

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- Linux dotfiles repository to automate configuration setup and increase productivity
- post-install scripts for Linux, Mac and Windows to save time after installing a new OS