Fullchee Zhang
Full stack developer

@ fullchee@gmail.com
📞 416-912-1778

🌐 fullchee.com
in /in/fullchee
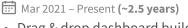⌨ /fullchee

EXPERIENCE

React, Django and SQL full stack developer

Forma.ai 📍 Toronto

📅 Mar 2021 – Present **(~2.5 years)**

- Drag & drop dashboard builder
  - shift left: enable other teams (closer to customers) to create dashboards
  - Developed and implemented a streamlined system to automate syncing and running SQL queries from GitHub
  - resulting in a 100% reduction of our team's SQL query maintenance
- Built and maintained custom React dashboards for clients
  - Wrote efficient SQL queries on tables with millions of rows
- Implemented new frontend components in Storybook to encourage reuse
- Learned in public (lead dev article club, wrote docs, posted on Slack)

Front end developer

IBM 📍 Markham (Toronto)

📅 June 2019 – Feb 2021 **(1.75 years)**

- No-code workflow builder that leverages legacy IBM BPM
  - Created components with JS and LESS
    - responsive, accessible and matches IBM's design system
- Authored Windows and Linux dot file scripts to automate VM setup
  - transition from Windows to Linux VMs for 16x faster build times
- Improved DX and dev productivity with TypeScript and Node.js scripts
  - automate uploading CSS changes (faster development and feedback)
  - meaningful diffs with IBM's git (to avoid overriding another's changes)

Front end developer (volunteer)

⌨ Courseography 📍 Toronto

📅 Jan 2019 – Aug 2019 **(8 months)**

- Refactored and improved the maintainability of an open-source React app to help students pick their courses
- Tested with React Testing Library and Cypress.io to ensure correctness

Implementation/QA engineer

pVelocity Inc. 📍 Toronto

📅 May 2017 – April 2018 **(1 year)**

- Created automation tools with Node.js and MongoDB to increase the reliability of the tests
- Implemented XML test cases to ensure the quality of the product

PROJECTS

Hongfagranite.com

- Designed and built a Gatsby, React and Sass site for a local business
- i18n support for English and Chinese
- Google Maps API integration

Toronto water monitor

- Send daily API requests to get water consumption data
- Send an email if water usage exceeds the set limit

Reminders

- Display saved links (YouTube and podcasts) with notes and tags
- Ability to select a link at random
- React, Django, Python, PostgreSQL

Create batch calendar events

- Create calendar events in seconds
- Google Calendar API integration

Tech Notes

- Repo with all of my markdown notes
- Previously used MKDocs, migrated to Obsidian

Portfolio (fullchee.com)

- digital playground

EDUCATION

BS, **Computer Science Major**

University of Toronto 📅 2014 – 2019

GPA: 3.81

Statistics Minor

Dragon boat athlete

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