

ROY CHAN

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EDUCATION

University of Toronto

2017 – 2022

HB.Sc. Major in Computer Science, Statistics

EXPERIENCE

Eight & Company Inc.

May 2019 – Present

Full Stack Developer

- Developed a web application using React.JS and Redux that generates relationship/network graphs based on data analytics from a MySQL database
- Created a custom graphing framework that can generate a range of charts using d3-force
- Optimized graph generation speed by 15% by refactoring SQL queries and allowing for dynamic data changes
- Added and integrated RESTful APIs using Node.JS + Express.JS backend for data communication throughout the stack
- Updated styling rules and implemented new stylesheets utilising SASS
- Designed the UI/UX with Sketch to optimize the user's experience

Double Nines Clothing

2016 – 2017

Founder

- Founder and sole proprietor of web-based startup clothing company
- Developed an e-commerce platform with HTML, CSS and Javascript, powered by Shopify's payment system
- Designed apparel in Photoshop that generated over \$9000 CAD in revenue

SKILLS

- Javascript (Node.js, React.js, Vue.js, Express.js), Python (Natural Language Toolkit, PyTorch, scikit-learn, Flask), Sketch, HTML, CSS, SASS, MySQL, RESTful APIs, Java, C, Latex, Git, Agile

AWARDS

First Place - TD Bank Elevate Hackathon

Sep 2019

- Placed 1st out of 74 teams in TD/Interac "FinTech for Good" challenge, by creating a mobile app simplifying donating to NGOs/charities by automatically rounding purchases made through bank by user to nearest amount of their choice

SIDE PROJECTS

Web conversational chatbot Python (NLTK, Flask)

Began with rudimentary asynchronous chat client built using NodeJS and ExpressJS, redeveloped in Python to take advantage of existing toolkits such as NLTK using personalized training sets derived from text messages.