

Edward Cong

COMPUTER ENGINEER · ENTHUSIASTIC DEVELOPER

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Skills

Languages	Python, JavaScript, TypeScript, C, Java, Verilog, MATLAB
Front-End Development	React, React-redux, Material UI, HTML, CSS
Operating System Environments	Windows, Linux, Ubuntu
Tools	Github, Postman
Databases	PostgreSQL, MongoDB
Others	Algorithms, Communication, Problem-solving, Adaptability, Dependability

Experience

Public Services and Procurement Canada

North York, Canada

WEB DEVELOPER

Sept 2018 - Dec 2018

- Worked with team to complete the web version of Public Accounts of Canada 2018, paying strong attention to detail confirming and correcting any differences or mistakes between versions
- Completed tasks individually including:
- Reskinned an events module currently in use by staff within the building, using HTML, CSS, and WET4.0 guidelines
- Performed Quality Assurance and testing on modules created by senior members and distributed to other departments, ensuring cross-functionality between browsers
- Continuously updated documentation and guides used within the team annually for Public Accounts web conversion, updating and improving existing instructions and creating new sections

Projects and Coursework

Front-End Developer

Toronto, Canada

ENGINEERING CAPSTONE (ENG4000)

Sept 2020 - April 2021

- Worked with 4 other team members to develop a web-based Energy Management System (EMS)
- Primarily developed front-end using ReactJS + Material UI, JavaScript
- Analyzed code for REST API and back-end to trace any bugs outside of the front-end, using NodeJS and Python
- Developed UI for various components, including graphs and charts to show energy usage of a MURB, energy usage of EV Chargers,
- Used Postman and MongoDB during development to test API, end-to-end communication, ensuring that information was being read from and sent to the database correctly

Design and Analysis of Algorithms

Toronto, Canada

COURSEWORK

January 2019 - April 2019

- Analyzed different types of algorithms (iterative, recursive, greedy)
- Created pseudo-code and justified correctness of algorithms, performed runtime analysis
- Discussed data structures and such as trees, arrays, lists, etc. and their run times

Personal Blog (WIP)

Online

PERSONAL DEVELOPMENT PROJECT

- Utilizing and learning a MERN stack to develop a web-application
- Strengthening HTML, CSS, React and redux skills to develop an aesthetically pleasing, functional front-end
- Researching and practicing using MongoDB to store information in the database
- Learning best practices of software development, as well as modern technologies such as TypeScript

Education

Bachelor of Engineering (BEng) in Computer Engineering

Toronto, Canada

LASSONDE SCHOOL OF ENGINEERING, YORK UNIVERSITY

2016 - 2021