

TONY QIU

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SKILLS

Languages: JavaScript, Java, SQL, Python, VBA

Technologies: React.js, Node.js, Express.js, MongoDB, HTML, CSS, Docker, Kubernetes, Bootstrap, Tailwind

Developer Tools: AWS, Git, Figma, Postman

EXPERIENCE

Tony's Web Designs, Freelance Web Developer

Toronto, Canada, Jul 2022 – Present

- Designed and developed responsive websites from scratch for local businesses using **HTML**, **CSS**, and **JavaScript**
- Used **Google Analytics** to **A/B test** the performance of 3 separate landing pages for a client's website, resulting in a 22% increase in online inquiries for their business
- Implemented **regular expressions** in **JavaScript** to reduce spam messages sent through the contact form by 99%

BrightBearsInfo, Full Stack Web Developer

Toronto, Canada, May 2022 – Present

- Led 3 developers through the **agile scrum methodology** as a **Scrum Master** to design and develop the website using **Figma**, **HTML**, **CSS**, and **JavaScript**, leading to a 75% increase in monthly traffic
- Developed interactive components including modals, dropdown menus, carousels, cards, and blog posts
- Optimized rendering in the **JavaScript event loop** by rewriting layout thrashing code and lazy loading images, decreasing loading time of the landing page by 33%

Sir John A. Macdonald CI Coding Club, Vice President and Mentor

Toronto, Canada, Sep 2021 – Jun 2022

- Mentored highschool students about **HTML**, **CSS**, and **JavaScript** for a cumulative 23 hours
 - Explained concepts including **HTTP protocols**, the **JavaScript event loop**, and **DOM manipulation**
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PROJECTS

Job Portal Web App

Feb 2023

- Designed and developed a job portal web app to help companies streamline the application process
- Built the front-end using **React.js** and created a **REST API** with **CRUD** operations using **Express.js** and **Mongoose**
- Stored fetched jobs on the client side for rapid re-rendering, reducing number of **API requests** by up to 50%
- Authenticated 12 different **API endpoints** using **JSON Web Tokens**
- Utilized **Git** and **Github** for version control and **Postman** for debugging of API

Portfolio Website

Jan 2023

- Developed a responsive web app to display personal projects and blog content stored in a **MongoDB** database
- Used **React.js** to build the UI and **Express.js** and **Mongoose** to develop a **REST API**
- Deployed front-end to Netlify and hosting the back-end using an **AWS EC2** ubuntu instance
- Implemented **Mongoose schemas** to standardize data structure of blogs

Decision Support System

Dec 2022

- Worked in a team of 4 to build a productivity workspace for university students using **Excel** and **VBA**
 - Implemented a **dynamic programming algorithm** using **macros** to optimize a user's schedule by up to 28%
 - Monitored development of features by writing **project plans** and **status reports**
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EDUCATION

University of Waterloo

Bachelor of Applied Science - BASc, Management Engineering

Sep 2022 - Apr 2027

University of Waterloo President's Scholarship of Distinction Recipient (95.8% entrance average)