

Yasser Elsaid

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EDUCATION

York University

Honours Bachelor of Science, Computer Science (GPA: 3.9/4.0)

Toronto, ON, Canada

Expected Dec. 2022

TECHNICAL SKILLS

Languages: JavaScript (ES6), HTML5, CSS3, C, C++, Java, Python

Frameworks/Tools: React, Node.js, Next.js, MongoDB, Version Control (Git), Selenium, RESTful APIs, JSON, AJAX, Material-UI, Linux, Firebase

EXPERIENCE

Software Development Intern

BlackBerry

May 2021 – Present

Waterloo, ON, Canada

- Full stack development intern working with **Go**, **Ruby on Rails**, **Docker**, **React** and **Redux**

Research Assistant

York University

Jan. 2021 – May 2021

Toronto, ON, Canada

- Led a group of 4 high school students in a research project that leverages machine learning to create a sign language to English text interpreter
- Mentored the students on the engineering design process, computational thinking, and the basics of programming to solve real-world problems by building software solutions
- Collaborated with other mentors to develop a curriculum that is catered to the students' needs and abilities

Full Stack Developer

Freelance

Jun. 2020 – Jan. 2021

- Developed an ecommerce store for a jewelry brand ivoryjewelry.shop where products can be added, edited or removed dynamically by the admins
- Improved SEO by using **Next.js** with **React** for server side rendering, and ensured a rating of 100% for SEO on Google Lighthouse
- Reduced initial page load time by 20% by leveraging Next.js to cache the rendered pages
- Reduced the running cost and development time by using serverless functions

Computational Thinking Mentor

York University

Sep. 2020 – Dec. 2020

Toronto, ON, Canada

- Held meetings twice a week with a group of 5 to 10 first-year computer science students to expand their computational thinking skills
- Led the students to increase the average grade by 20%
- Established good rapport with the students which resulted in positive feedback
- Prepared weekly reports on each student's progress, and of weekly activities

Full Stack Developer

Freelance

Dec. 2019 – Jun. 2020

- Designed and developed a web app for an archery academy archeryhub.club using **React**, **Redux** and **Node.js**
- Connected the app to the Google Calendar API to create the booking functionality which allows users to book different time slots in different locations
- Implemented an admin panel that can be used to set available time slots for each of the 2 locations

PROJECTS

Sign Language Interpreter Demo | Google Teachable Machine, React

Apr. 2021 – Present

- Engineered a Sign Language to English text interpreter, trained using Google Teachable Machine with Tensorflow to detect common ASL signs

RateMyCourses.io | React, Next.js, Node.js, MongoDB, Mongoose

Dec. 2020 – Present

- Built the web app ratemycourses.io which has over **15,000** unique visitors and is used by students to review and get advice on university courses
- Optimized the performance rating on Google Lighthouse to 100% which resulted in a great user experience