

Yasser Elsaid

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EDUCATION

York University

Honours Bachelor of Science, Computer Science (GPA: 3.8/4.0)

Toronto, Canada

Expected Dec. 2022

TECHNICAL SKILLS

Languages: JavaScript, Go, Python, C, C++, Java, SQL, HTML, CSS

Frameworks/Tools: React, Node.js, AWS, Docker, MongoDB, Mongoose, MySQL, Git, Next.js, Postman, Gin, RESTful APIs, AJAX, Linux, Selenium

EXPERIENCE

Software Development Intern

BlackBerry

May 2021 – Present

Waterloo, Canada

- Developing **microservices in Go** for cloud computing, monitoring, cost management, and DevOps services
- Migrating and improving a **Ruby on Rails** application to a more maintainable **React** application connected to Go microservices for better performance and user experience
- Optimized response time of multiple endpoints by making use of the synchronization features in Go which resulted in a **20% faster response time**
- Automating deployment of **Docker** containers to **Kubernetes** cluster using **Gitlab CI pipelines**

Research Assistant

York University

Jan. 2021 – May 2021

Toronto, 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

Remote

- 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

Full Stack Developer

Freelance

Dec. 2019 – Jun. 2020

Remote

- 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

PROJECTS

RateMyCourses.io [🔗](https://ratemycourses.io) | *React, Next.js, Node.js, MongoDB, Mongoose, AWS*

- Built the web app ratemycourses.io which has had over **200,000 page views** 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

Sign Language Interpreter [🔗](https://signlanguageinterpreter.com) [📺 Demo](https://www.youtube.com/watch?v=Qm0u0u0u0u0) [📺](https://www.youtube.com/watch?v=Qm0u0u0u0u0) | *Google Teachable Machine, Tensorflow, React*

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