

Yash Contractor

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Education

York University - Lassonde School of Engineering

Toronto, ON

B. ENG. SPEC. HONS. COMPUTER ENGINEERING

Expected Graduation Date Apr 2024

- **Relevant Courses:** DSA, Advanced OOP (Java), Software Design, Operating Systems, Software Requirements, Computer Security

Skills

Programming Java, JavaScript, TypeScript, C/C++, C#, Python, Bash, HTML/CSS, MATLAB, Verilog

Technologies React, Angular, .NET, Git, Azure, Docker, OpenGL, Postman, Octopus Deploy, Selenium Web Driver

Experience

Flinks

Toronto, ON

SOFTWARE ENGINEER

Sept 2021 - Dec 2021

- Improved productivity and decision-making of senior developers by executing an **Angular.JS** dashboard to view stored financial data in the (Flinks) API, reducing data analysis time by over 10x
- Tested, identified and fixed bugs using **.NET** and **Postman**, that helped the (Flinks) API better communicate data between clients and end users, resulting in a 5% reduction in user-reported issues
- Collaborated effectively with cross-functional teams, including designers and product managers, to meet project deadlines and maintain clear and efficient communication between departments
- Automated the extraction of end users' financial account statements from client websites using **Selenium Web Driver**, boosting data accuracy by 18%
- Engaged in company meetings, providing valuable insights that drove user-centric improvements, such as streamlined interfaces and feature enhancements, which led to an increase in customer retention by 5x

Software For Love

Toronto, ON

SOFTWARE DEVELOPER

May 2021 - Dec 2021

- Implemented responsive design principles with a keen focus on optimizing webapps for various devices, resulting in an increase in mobile user engagement and seamless experiences on desktop, tablet, and mobile platforms
- Collaborated with clients to transform multi-page webapps into single-page webapps, resulting in a 30% reduction in bounce rate after implementation across three different webapps
- Enhanced the functionality a webapp by adding 5 new frontend features using **React.JS**, that helped increase user interaction by 15%
- Improved client satisfaction by identifying and correcting **React.JS** bugs, increasing the functionality by 25%

Projects

BandVita - Capstone 🔄

Sept 2023 - Present

- Enhanced medical research data analysis by leading a 4 member team to develop a user-friendly web application with a data visualization dashboard for a smart health band

YorkU Robotics - Line Following Robot 🚀

Sept 2022 - Apr 2023

- Designed and built an autonomous line following robot capable of tracking a black line on a predefined track using Arduino, a microcontroller platform, and light sensors
- Led the development of autonomous navigation algorithms, resulting in an improvement in the rover's efficiency when smoothly tracking the black line.

Raytracer 🔄

Dec 2022

- Developed a program that generates images based on ray directions towards the camera, based on the input

Fish-Bowl Animation 🔄

Sept 2022

- Created a JavaScript program with the OpenGL library for an animated scene featuring a rotating fish around seaweeds and a floating humanoid

Leadership

IEEE York University 🚀

Toronto, ON

VP MEDIA

Apr 2021 - Present

- Led and cultivated club participation through social media accounts by connecting with over **100** students on a weekly basis to provide constant updates, as well as nurturing individuals to encourage club participation
- Successfully achieved rapid Instagram growth, attracting more than **250** engineering students in just three weeks