**Akhil Nathoo**



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**PROFESSIONAL PROFILE**

* Development of technology infrastructures through integration, design, and development
* Solving complex hardware and software problems requiring fundamental knowledge and competencies in the processes of needs assessment, technology transfer, and user support

**Bachelor of Engineering Science,** University of Western Ontario, London, Ontario, Canada **Class of 2020**

**EDUCATION**

* Four-year Computer Engineering degree program – software systems for ubiquitous computing
* Participated in Hack Western 2017, 2018, and 2019
* UES Council- 4th year Computer Engineering Representative (2019-2020)
* Dean’s List 2020



**WORK EXPERIENCE**

**Quality Assurance Specialist,** iCONECT, London, Ontario **April 2022- Current**

* Formulated comprehensive and organized test plans and test cases resulting in 50% reduction in testing time.
* Systematically estimated, prioritized, planned, and coordinated quality testing activities with precision and effectiveness.
* Devised, created, and executed automation scrips employing cutting-edge open-source tools leading to less human error and higher efficiency.
* Elevated quality assurance processes and systems, strategically optimizing both efficiency and effectiveness, resulting in reduction in testing time.
* Innovated testing processes for both new and existing products, ensuring alignment with client requirements.
* Lead role in testing and successfully releasing four major features to existing and new clients.

**Quality Assurance Specialist,** Race Roster North America, London, Ontario **Sept 2020- April 2022**

* Receive, categorize, and prioritize issue reports in a concise format for developers and product managers.
* Collaborate with team members to efficiently discover, document, and prioritize bugs at a higher rate.
* Trained and mentored new hires on how to utilize the system successfully and independently.
* Effectively deploy, test, and provide feedback on 1000+ pull requests across various environments using automated testing.
* Develop comprehensive scripts, plans, and procedures system-wide, encompassing both manual and automated processes.
* Demonstrate a strong grasp of the fundamentals of web software technology to accurately identify issues through thorough testing.
* Engaged in collaboration with both back-end and front-end developers, leading to a noteworthy reduction in bugs.

**ACADEMIC PROJECTS**

# Capstone Project: 3D Medical Imaging and Virtual Reality to Aid in Epilepsy Surgery Preparation Sept 2019- April 2020 Western University, *Team lead*

* Created a VR-based environment where an epilepsy patient can view an animated 3D model of their brain that displays the source and path of electric signals generated during a seizure
* Export a standard 3D model of the brain from 3D Slicer into Unity that will be used in VR

**COMPUTER SKILLS AND INFORMATION TECHNOLOGY SYSTEMS FAMILIAR**

**Operating Systems:** Windows, MacOS, Android, IOS and Linux based system

**Applications:** MATLAB, Android Studio, Slicer, Quartus, Microcap, Microsoft Office, Jira, Bamboo

**Programming Languages:** C++, JavaScript, C#, HTML, CSS, Angular, Python, Java, SQL, Swift, Git, Node.js

**Licenses & certifications:** Introduction to Software Testing, Coursera, August 2022

**VOLUNTEERING EXPERIENCE**

**Community Service Volunteer,** Kenya Women and Children’s Wellness Centre, Kasarani, Nairobi, Kenya **2015 – 2017**

Inaugural Project of James R. Jordan Foundation International based in Chicago

* Implemented projects geared towards sensitization and training on Gender Based Violence (GBV) prevention in the community, Sexual and Reproductive Health (SRH) Education in schools, and Women Economic Empowerment as a preparation towards putting up a state-of-the-art hospital in Kasarani, Kenya