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

EDUCATION

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

- 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