



Role: Software Quality Assurance Intern

Internship Period: 4-8 months (flexible)

Department: Software / Quality Assurance

Contact: Nabil Uddin (nabil.uddin@helpwear.ca)

Background

HelpWear is striving to achieve better at-home healthcare by developing affordable and accessible products for patients all around the world. HelpWear is currently developing HeartWatch, a continuous wearable ECG monitoring system worn on the bicep for further prevention and better treatment of heart-related illness. HelpWear was founded out of (and is still based in) St. Michael's Hospital in Toronto, Ontario and has a west coast office based in the University of Calgary's Life Science Innovation Hub. We're currently a team of ~25 and looking to build our team with more individuals who share our passion for improved at-home healthcare.

Key Roles

- Conduct reviews to assess quality assurance practices of software products and information systems
- Ensure HelpWear remains compliant to IEC 62304 - Software Life Cycle Processes
- Works with Software Development teams to comply and provide input into the technical solution.
- Contribute to overall QA processes/standards and make recommendations for improvements as needed
- Create detailed test plans and cases to identify software problems
- Plan and prioritize test processes for existing and new products
- Carry out thorough regression testing
- Identify, analyze, document and track bugs
- Track Quality Assurance metrics to ensure that the Quality Assurance processes are healthy and efficient

Required Experience

- Must be a student looking to return to academic studies at the end of the internship (4-8 months).
- Bachelor's Degree in Computer Science, Software Engineering, Science (completed or in progress) or equivalent work experience
- Strong understanding of the software development lifecycle
- Strong understanding of software architectures and technologies
- Strong knowledge of Quality Assurance processes, methodologies, and tools
- Excellent attention to detail, analytical and problem-solving skills
- An excellent team player who can work efficiently with minimal supervision



Preferences

- Certification(s) in Quality Assurance or Software Testing
- Previous experience working in a health tech startup

Job Description

A viable candidate will contribute to testing, debugging and monitoring all stages of software development to ensure that quality standards are met before products are launched. The individual will be working closely with internal teams such as software developers to identify requirements, enhance and improve software.

Product Description

HelpWear builds the HeartWatch - a continuous, clinical-grade ECG monitor worn on a patient's bicep. In addition to novel hardware, the HeartWatch has several layers of software (smartphone app, desktop software, and cloud computing). Selected candidates would be working with the all three layers of the software system in developing automatic and manual test cases to ensure deployed software is running as expected. In addition, the candidate is expected to identify, track and suggest improvement in the system performance based on bugs found within the system. .