Haran Jeyachandra

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Summary

- Biomedical Mechanical Engineering and Computing Technology student experienced in many programming languages using Unix, Linux, Windows and MacOS Platforms
- Aspiring product manager with a proven track record of collaboration, leadership and organization with key interests in Data Analysis, UX Design and Software Development
- Healthcare specific knowledge gained through training and experience: ISO 13485 (Medical Devices – Quality Management Systems), HL7, EMR, EHR, HIPAA, DICOM

Education

University of Ottawa   **Sept 2017 - Present**
> BASc in Biomedical Mechanical Engineering | BSc in Computing Technology (Dual Degree)
> Activities/Societies: Software Engineering Student Association (VP Social), UOERacing, uOttawa Bionics

University of British Columbia – Cognitive Neuroscience Program   **Aug 2015**
> Summer High School Program: Exposure to a university cognitive neuroscience curriculum based on conducting brain dysfunction research and studying medical imaging technologies

Relevant Work Experience

Incoming Associate Product Manager Intern – Tactio Health Group (Montreal, QC)   **Jan 2020 – May 2020**
- Will work under lead product manager to help understand customer needs, create product requirements, manage backlogs, and write and update product documentation
- Will assist in submissions for CE Class IIa (Classification of Medical Devices) – Set by the European Commission

Software Developer Intern – IBM Watson Health Imaging (Toronto, ON)   **May 2019 – Aug 2019**
- Worked directly under the Development Executive of Watson Health Imaging to create an automated, internal metrics tool to track quarterly progress of all WHI projects from various sources (JIRA/GitHub/SonarQube) using Python, Perl, JSON, Excel and Pandas
- Successfully created and maintained automated test scripts using Python and Selenium by ingesting HL7 files to Text Analytics NLP product
- Future Blue Lead: Led the intern program, creating a collaborative environment between HR and over 400 interns.
- Completed courses on Data Science, Data Analysis, Data Visualization and Machine Learning

Undergraduate Research Assistant – uOttawa | Medical Devices Innovation Institute   **Sept 2018 – April 2019**
- Assisted a medical doctor and a PhD candidate with their research on creating a mobile application for diabetic patients
- Conducted user studies and created a framework highlighting UX, UI and design which can be used for mobile applications targeting seniors – implemented when designing and developing *Sweet Feet,* a wellness app for elderly, diabetic patients to help prevent footcare and prevent related complications

Software Engineer Intern – mobileLIVE inc. (Toronto, ON)   **May 2018 – Aug 2018**
- Performed research to allow automated deployment of Mesosphere DC/OS cluster to Openstack-based environment to monitor several virtual machines
- Worked closely in an agile environment with developers to maintain and execute automated functionality, performance and regression testing on iOS, Android and Windows platforms
- Managed and configured servers (Ubuntu, Linux) based on domain/client requirements

Skills

Languages and Databases: Python, Perl, Java, MATLAB, JavaScript, HTML/CSS, Swift, SQL, Cassandra, MongoDB
Tools & Practices: Solidworks/AutoCAD, Adobe Creative Suite, JIRA, Agile Methodologies, Git, Tableau
Libraries & Frameworks: Bootstrap, Selenium, Scikit-Learn, Pandas, NumPy, TensorFlow, Matplotlib

Projects

Twitter Sentiment Analysis - Toronto Raptors Playoff: Designed and implemented an information retrieval and classification system for sentiment analysis on Twitter using Naive Bayes Classifier and NLTK in Python during NBA Playoffs to see overview of feelings of viewers
Smart Mirror: Created a Google Home integrated Smart Mirror using Raspberry Pi by retrieving information from various API's using JavaScript