

Meesam Haider

mhaid070@uottawa.ca • 647-524-5232 • www.linkedin.com/in/meesam-haider

Summary

Technology enthusiast with an entrepreneurial mindset and a passion for delivering value by developing maintainable software/hardware solutions. Experience in a variety of development roles at many organizations with a special interest in new and exciting technologies such as machine learning.

Education

University of Ottawa

BASc in Computer Engineering, Engineering Management & Entrepreneurship Option

OTTAWA, ON

2013 – 2018

Focused on the agile software development and gained computer hardware knowledge as well. CO-OP placements provided excellent development skills and real experience taking part in every stage of the development life-cycle.

Experience

Versaterm

OTTAWA, ON

Software Developer

May '17 – present

Versaterm provides public safety software to agencies across Canada and America. Responsible for developing software to help public safety officers in their work. Used JavaScript, C#, Git and many other languages and technologies to provide effective solutions.

University of Ottawa

OTTAWA, ON

Researcher/Developer

March '17 – January '18

Performed analysis and development of network algorithms to manage the access of the unlicensed spectrum with the presence of LTE and Wi-Fi, using the NS-3 network simulator and C++, under the supervision of a research professor.

Industry Canada

OTTAWA, ON

Software Developer

September '16 – December '16

The Innovation, Science and Economic Development section of Industry Canada has Communications Research Centre which is responsible for research in advanced telecommunications. Implemented LTE TDD in C using open source LTE frameworks and analyzed, researched and simulated millimeter wave wireless communications with real applications.

Public Services and Procurement Canada

GATINEAU, ON

QA Tester

January '16 – April '16

Performed vulnerability assessment on government tier web applications using IBM's security tools. Developed test scripts to automate regression testing for applications.

SageTea Software

OTTAWA, ON

Software Developer

May '15 – August '15

Performed requirements analysis, design and implementation of software solutions for SageTea customers using Smalltalk. Maintained company website using Wordpress, PHP and Javascript skills.

Projects

Virtual Personal Trainer: Designed and developed a system for users to track and validate exercises using Inertial Measurement Units to track limbs and the Unity game engine to visualize a 3D model which could have custom movement validation for any given exercise.

Coordinated Access in LTE-Unlicensed with Reinforcement Learning: LTE-Unlicensed or Licensed Assisted is a popular topic subject to a lot of research. Developed algorithms incorporating machine learning algorithms such as Q-Learning to make artificially intelligent systems with research resulting a conference paper [Submitted to IEEE CCECE].

Machine Learning Maze Solver: Wumpus World consists of a maze which needs to be solved using knowledge and reason. Created an algorithm along with visual representation that learns the map and successfully find the solution a majority of the time using propositional logic in Python.

Skills

Technical expertise: Software design and implementation in a team using Agile methodologies. Experience writing C#, C++, C, Python, Java, VHDL. Solid knowledge of web technologies: HTML+CSS, XML, JSON and JavaScript (Node, jQuery, Mithril) and relational database management systems such as SQL Server

Natural languages: English (full professional proficiency), French (limited working proficiency), Urdu