Abubakar **Saad**

SOFTWARE DEVELOPER · ML DEVELOPER

Unit 100, 2145 Sherobee Rd, ON, Canada

(+1) 647-467-8640 | abubakar.saad.891@gmail.com | www.abubakarsaad.com | AbubakarSaad | Abubakar-Saad

Education

Brock University, St. Catharines   *ON, Canada*

B.SC. IN COMPUTER SCIENCE

• Computer Science CO-OP (Honors)

Brock University, St. Catharines   *ON, Canada*

M.SC IN COMPUTER SCIENCE

• Resource Management in Distributed Systems (Vehicular Networks)

Work Experience

Brock University   *ON, Canada*

RESEARCH ASSISTANT.   *September 2018 - Present*

• Responsible creating a simulation for VANET (vehicluar Ad-hoc networks).
• Communicate between distributed nodes to form a network.
• Created a model (MDP, Markov decision process) to evaluate the nodes.
• The simulation was based on OMNet++(Discrete Event Simulator), Veins(vehicular network simulation), and SUMO (Simulation of Urban MObility)

Ecoli-Sense   *ON, Canada*

MACHINE LEARNING DEVELOPER   *Jan. 2019 - May. 2020*

• Extended the functionality of the existing API's and websites under the Company.
• Developed spiders to scrape weather station data and store that in db with RabbitMQ.
• Optimize the PostgresDB for faster queries times.
• Build data pipeline that supply the data to the AI model for the predication.
• Created an AI model that predicates the Ecoli concentration through the data provided.

RBC Digital Investing   *ON, Canada*

DEVOPS SPECIALIST CO-OP   *May. 2017 - Aug 2017*

• Developed a tool for QA team to perform visual regression testing.
• An automated visual testing tool that let's the QA team test visual differences across the RBC digital investing platform.
• This visual tool was based on Robot-framework, Open-CV and Flask.
• Assisted in integrating SonarQube with Jenkins, that allowed to check for best practices within the team.

RBC Digital Investing   *ON, Canada*

SOFTWARE DEVELOPER CO-OP   *Sep. 2016 - Dec 2016*

• Assisted with solving defects in frontend based on Angular and backend based on .NET Core.
• Assisted with developing in-house agent tool for new business line based on React and .NET Core.
• Developed end-to-end smoke testing scripts.
• Setup automated smoking testing based on Python, Robot-framework and Jenkins.
• This increased the deploying time because the environments were pre-tested and prepared before hand.

Conferences

INTERNATIONAL

2020	**MDP-based Vehicular Network Connectivity Model for VCC Management** , DS-RT 2020	*Prague, Czech Republic*

Skills

Languages	C++ (Proficient), Python (Proficient), HTML (Proficient), CSS (Sroficient), Javascript (Proficient), SQL (Proficient), Java (Prior Experience)
UT Framework	Mocha, Chai, Robot, Seleium, JUïnt
Databases	MySQL, PostgreSQL, Mongo, TSQL
Other technologies	Pytorch (Proficient), Fastai (Proficient), Angular (Proficient), React, Django (Proficient), Node.js (Prior Experience), Docker Engine (Current Learning)