Abdulqader **Almetwali**

2A Computer Science   github.com/abdulmi   519-240-7058   aalmetwa@uwaterloo.ca

SKILLS

Languages: C++, C, Python, Javascript, Swift, Racket

Frameworks/Tools: NodeJS, Git, Docker, AWS, Jenkins, D3

EXPERIENCE

JAMII BACKEND ENGINEERING INTERN   Winter 2017-present- | Waterloo
Python, NodeJS, Docker, AWS, Socket

- Created and designed the backend models using the Domain Driven Design
- Used Socket.io to make the application activities real-time
- Integrated an open sourced project in Jamii to implement a collaborative live editing version controlled document

INTERSET SOFTWARE TESTER INTERN   Spring 2016 | Ottawa
Bash, Python, JavaScript, Postgresql, Jenkins

- Refactored the database schema in Postgresql for a quality data warehouse tool
- Integrated the D3 open source library into a web dashboard to visualize the teams progress which replaced daily queries/charts done manually on Excel
- Created and maintained automation frameworks written in bash through Jenkins saving the QA team 10+ hours/week of manual testing
- Used vSphere and VMware to create Linux nodes on ESX servers for testing purposes

PROJECTS

TRADEY iOS APP Swift, Firebase
http://www.github.com/abdulmi/Tradey

- An iOS app that allows people to trade items
- Designed the UI with image caching and integrated the Digits library for user authentication
- Set up a Firebase backend and constructed the data object models to store images

UW CHATBOT FACEBOOK CHATBOT NodeJS, Heroku
https://github.com/abdulmi/messenger-platform-samples

- Used Facebook's SDK in NodeJS to create a chatbot, deployed on Heroku, for Waterloo students' day-to-day assistance
- Analyzed the user's message to issue accurate API calls
- Queried the API results to send an informative response to the user

SPOOD WEB APP AWS, NodeJS, Socket, React
https://github.com/abdulmi/hackatown-naunce/tree/MiddleEnd

- Used an NLP API to create an application for buying products with speech, and lively update the stock accordingly. Won sponser's prize at the hackathon.

MRS.CLASS iOS APP Swift
https://github.com/abdulmi/Mrs.Class

- An iOS Utility application for University of Waterloo students to use when they miss a class. Published on the App Store.

EDUCATION

UNIVERSITY OF WATERLOO BACHELOR OF COMPUTER SCIENCE
Expected April 2020

Relevant courses: Object-Oriented Software Development(C++), Logic and Computation, Algorithm Design and Data Abstraction(C), Functional Programming