

Muhammad Moied Poonawala

Moied90@hotmail.com | +971-52-705-9570 | LinkedIn: www.linkedin.com/in/muhammad-moied-poonawala

CAREER OBJECTIVE

An ambitious software engineer with 3 years of experience in object-oriented and functional programming, database management and designing, and app development. I am a final year BSc (Hons) -Computer Science student in Heriot Watt University, Dubai. Seeking an internship that allows me to utilize my problem-solving, analytical skills and my programming knowledge.

EDUCATION

BSc. (Hons) - Computer Science,

September 2018-present

Heriot Watt University.

3rd year completed with Cumulative GPA 4.0

A-Levels, The Westminster School.

September 2016-July 2018

Mathematics-A Computer Science-A Physics-B

WORK EXPERIENCE

❖ **AI Moiz Textile (, App Developer)**

January-June 2019

- **[Python] Account and Financial Analysis System**
 - Designed database and software
 - Transferred text data to csv files
 - Developed Django web app to compute data

❖ **Asian Football Cup (Ticket Sale)**

January 2019

❖ **Threads (Cashier)**

August 2019

PROJECTS

Future Smart Home System – Homi (Flutter)

October 2019-April 2020

- Building a cross-platform effective control system and user interface for the house.
- Application which will mediate between the user and user activity, and various Internet-enabled smart devices in the home
- The application records live generation and consumption of energy per room and per device and presents in a graphical manner
- Using machine learning routines were generated
- The house was simulated using a raspberry pi
- [Video Demo Link](#)
- Copy this if the link above doesn't work: https://www.linkedin.com/posts/muhammad-moied-poonawala_homi-future-smart-home-control-system-activity-6659507908977405952-A-w9

Hardware Software Interface (C, Arm Assembly)

February-March 2019

- Developed mastermind game using Raspberry pi, C and Assembly Language
- Developed a steganography software using C as the programming language

Artificial Intelligent Bot (Java)

November 2019

- built a bot that would use one of the two different policy calculation methods
- write methods for Value Iteration and Policy Iteration

- iterated over and over for the AI to calculate the best policy and make it win the game every time.

Spell-checker (Java)

October 2018

- a program that would take two files, a dictionary file and the one that was to be spell-checked.
- It used hashing methodology to store words from dictionary.
- the hash map was programmed to suit the application.

Sky Routes (Java)

November 2018

- built an air traffic network including flights, airports and airlines.
- populated into graphs using the JGraphT library.
- used the library to find the cheapest flight, shortest flight and the flights with the least stops using Dijkstra's Algorithm.

[NodeJS, MySQL] E-Commerce Web-app

October 2018

- developed an E-Commerce website with the use of sessions in NodeJS.
- MySQL was used for the database server.
- the backend was developed in JSP and connected to the database using JDBC driver.
- had a login system that used sessions to hold user information and items in the shopping cart.

Courses

Flutter: The Complete 2020 Flutter Development Bootcamp with Dart

Udemy

Python: Machine Learning, Data Science and Deep Learning with Python

Udemy

SKILLS

Programming Languages	Mobile and Web Development	Hard Skills
Python ●●●●●	Flutter ●●●●●	Raspberry Pi/ Raspbian ●●●●●
Java ●●●●●	MySQL ●●●●●	PyCharm ●●●●●
Dart ●●●●●	Firebase ●●●●●	IntelliJ ●●●●●
C ●●●●○	HTML/CSS ●●●●●	Sublime Text ●●●●●
SML ●●●●○	Php ●●●●○	GitHub ●●●●○
PDDL ●●●●○	Node Js ●●●●○	Microsoft Office ●●●●○
		Android Studio ●●●●○

AWARDS

Deputy Principal's Award (Academic Excellence), Heriot Watt University

Best Sixth Former of the Year, The Westminster School, Dubai

ADDITIONAL INFORMATION

- UAE's Driver's License.
- Proficient in English & Urdu.
- Dependent Visa.
- Interests: - squash, table tennis, billiards, hockey.