

Abdullah Muhammad-Kamal

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EDUCATION

UNIVERSITY OF WARWICK

OCT 2017 – JUL 2021

BSc (Hons) Computer and Management Sciences

- Key modules include Databases, Algorithms, Design of Information Structures, Operating Systems and Computer Networks.
- Warwick Africa Summit (*Events Team Executive*): A student led organisation aimed at organising a 2-day conference on the social and economic development of Africa. This was a large event hosting 500+ attendees and 20+ speakers.

TOWNLEY GRAMMAR SCHOOL

SEP 2015 - JUL 2017

A Levels: Mathematics (A) Chemistry (A) Biology (A)

CERTIFICATES

BCS Foundation Certificate in Systems Development

JULY 2020

Udemy Complete 2020 Web Development Bootcamp by Angela Yu

DECEMBER 2020

- Technical Skills: HTML 5, CSS 3, Bootstrap 4, JavaScript/jQuery, NodeJS, React and MongoDB.

PROJECTS

PREDICTING MISSING LINKS WITH DISTRIBUTIVE AND SYMBOLIC ML METHODS (PYTHON, R, SQL AND PROLOG)

SEP 2019 – MAR 2020

- Led a research project, focused on missing link prediction in pharmacogenetic data, at a world renowned research facility as part of the Bio-Ontology Research Group, under the supervision of Professor Robert Hoehndorf.
- Used a combination of Python and SQL in data analysis and integration of pharmacogenetic data to create the knowledgebase.
- Developed and optimised the performance of distributive machine learning models for link prediction using Python.
- Implemented a Top-Down Induction on Logical Decision Trees algorithm for missing link prediction of the knowledgebase.
- Evaluated the performance of the distributive models in comparison to symbolic models.
- Successfully presented project results and findings to an audience of associate professors, PhD students and Research Scientists.

SMART APPLICANT TRACKING SYSTEM (HTML, CSS, JQUERY, PYTHON DJANGO AND MONGODB)

JAN 2019 – MAR 2019

- Identified and evaluated the feasibility of options for improving the Deutsche Bank's existing application tracking system.
- Lead client consultation meetings to understand the stakeholder's existing environment, needs and concerns.
- Developed the website using: HTML, CSS, Bulma CSS Framework, MongoDB and Python Django.
- Developed a machine learning model ranking applicants and routing them to more suitable roles in the company.
- Successfully developed a product that saved Deutsche Bank administration team 75% of time in assessing applications.
- Awarded second place by Deutsche Bank out of thirty-two participating teams.

DEPARTMENT STORE DATABASE MANAGEMENT APPLICATION (SQL AND JAVA)

NOV 2018 – DEC 2018

- Produced a database application to expand and automate the services a department store offers.
- Wrote a SQL schema describing the tables: inventory, orders, order products, staff and staff orders.
- Developed queries providing analysis on staff and product data E.G. highest selling products, highest selling staff.

MULTITHREADED INTRUSION DETECTION SYSTEM (C)

OCT 2018 – NOV 2018

- Intercepted and parsed IP and TCP protocol layers to Identify suspicious packets.
- Implemented a threading strategy to allow code to deal with high packet throughput.
- Produced a report summarizing all malicious activity found in the packets.
- Successfully caught and reported 130 Xmas attacks and 2 URL blacklist violations.

EXPERIENCE

TEACH FIRST | Intern Computer Science Teacher

MAR 2019 – APR 2019

- Taught programming and relational database concepts to students aged 11-16 at Springwest School, a non-selective state-run school in west London.
- Organised and led university guidance sessions to high achieving children in every year group at the school.
- Granted, as a result of my teaching performance, three additional classes to teach along with my pre-scheduled two.
- Awarded a full time position with Teach First from my overall performance as a teacher and a member of staff.

WARWICK AFRICA SUMMIT | Events Team Executive

OCT 2018 – APR 2019

- Organised a two-day conference on the social and economic development of Africa, hosting 20+ high-profile speakers and 500 attendees from higher education institutions across the UK.
- Co-ordinated the activities in planning pre-conference events to increase conference attendance and educate the audience on the current state of African countries.
- Designed and developed a website for the conference, including a blog, allowing for greater attendee interaction.
- Orchestrated a digital marketing strategy through social media, increasing external attendee ticket sales by 100%.
- Achieved 50% greater attendee satisfaction feedback in comparison to the previous year conferences.

VOLUNTEERING

WARWICK ISLAMIC SOCIETY | Charity Week 2018 Volunteer.

OCT 2018 – NOV 2018

- Arranged events to raise funds for orphans in the local area and worldwide.
- Coordinated events during charity week to inform people of the mission of charity week, including public speaking to potential donors on the impact of their donation around the world.
- Successfully raised the highest amount of money in the Midlands with a total of £20,994.

SKILLS

PROGRAMMING LANGUAGES: Proficient in Python, Java, Bash, HTML, CSS, JavaScript, SQL/MySQL and MongoDB.

LANGUAGES: English (Fluent/Native) and Yoruba (Fluent/Native)