Abdullah Muhammad-Kamal

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EDUCATION

UNIVERSITY OF WARWICK   OCT 2017 – JUL 2021

BSc (Hons) Computer and Management Sciences
- Finalist in the annual Warwick Enactus 'Innovation Hub' Challenge
- Key modules include Databases, Algorithms, Design of Information Structures, Operating Systems and Computer Networks.

TOWNLEY GRAMMAR SCHOOL   SEP 2015 - JUL 2017

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

COOPERS SCHOOL   SEP 2010 - JUL 2015

10 GCSE grades A*-B including Maths, English and Triple Science

TECHNOLOGICAL PROJECTS

SMART APPLICANT TRACKING SYSTEM (LANGUAGES USED: HTML, CSS, JQUERY AND PYTHON DJANGO)   JAN 2019 – MAR 2019
- Acted as the team's Business Analyst and frontend team member in creating a prototype for a smart application system.
- Led client consultation meetings to understand the stakeholder's existing environment, needs and concerns.
- Selected solutions that delivered the most value based on factors such as: scope, risk and reusability and capabilities.
- Created interactive web pages for the entire project using HTML, CSS, jQuery and Bulma CSS framework.
- Used machine learning algorithms to rank applicants, based on application features such as skills and experiences.
- Awarded second place by Deutsche Bank out of thirty-two participating teams.

DEPARTMENT STORE DATABASE MANAGEMENT APPLICATION (LANGUAGES USED: SQL AND JAVA)   NOV 2018 – DEC 2018
- Produced a database application to expand the services a department store offers.
- Wrote 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 (LANGUAGES USED: C)   OCT 2018 – NOV 2018
- Intercepting and parsing IP and TCP protocol layers.
- Identifying suspicious packets and producing a report containing a breakdown of the malicious activity.
- Implementing a threading strategy to allow code to deal with high packet throughput.

WORK EXPERIENCE

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY | Visiting Student Research Programme Intern   SEP 2019 – PRESENT
- Working under Prof. Robert Hoehndorf on his research titled 'Combining deep learning and ontologies'.
- Creating RDF graphs using python 'rdflib' library for visualising and joining PharmGBK, STRING and VMH datasets.
- Analysing the biomedical data to identify gene variants that may affect the action of specific drugs.
- Developing deep learning methods to predict variants which may affect the action of specific drugs.

TEACH FIRST | Insight Programme Participant   MAR 2019 – APR 2019
- Spent two weeks practically experiencing the STEM challenge through teaching at a state run non-selective secondary school.
- Taught database concepts and the python programming language, using live demonstrations, to children aged 11-16.
- Strengthened my leadership skills and my ability to manage and work with a wide range of age groups, from students to teachers.
- Offered a full-time teaching role from my performance as a teacher and 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+ speakers and 500 attendees.
- Planned an exhibition/showcase for distinguished speakers, celebrating creative talent within students at the University of Warwick.
- Worked with the marketing team to devise an efficient digital marketing strategy through social media to maximise ticket sales.
- Successfully sold out tickets to 500 attendees' two weeks before the event

UBM | Events Planning Work Experience   AUG 2016
- Coordinated activities within my team of three to create an event to showcase the developments in the financial technology sector.
- Used Microsoft Excel and PowerPoint to present on the entirety of the project and in creating reports on the event.
- Honed public speaking and leadership skills as I led a pitch on the entire project to senior members of the firm.
- Voted having the best event from the participating groups.

VOLUNTEERING

WARWICK ISLAMIC SOCIETY | Charity Week 2018 Volunteer.   OCT 2018 – NOV 2018
- Planned events to raise funds for orphans and children in the local area and worldwide.
- Coordinated events during the week to inform people of the mission of charity week and encouraging them to donate.
- Successfully raised the most in the Midlands with a total of £20,994.

TOWNLEY GRAMMER SCHOOL | Greenwich Food Bank Donations Lead.   SEP 2016 – JUL 2017
- Took lead of my tutor group, of 16, in raising food to go towards the Greenwich food bank for the 2016 annual Harvest.
- Devised a week plan to ensure maximum output of products from my colleagues.
- Achieved the highest number of foods donated by any other tutor group in the entire School (407 items).

EXTRACURRICULAR & SKILLS

TECHNOLOGY: Proficient in Java, HTML and CSS; familiar with Python, JavaScript (jQuery), PHP and SQL; previously used C.

SOFTWARE: Microsoft Office (Word, PowerPoint and Excel), LaTex and BibLaTex.

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

SPORT: Captain of Coopers School and Townley Grammar School Basketball Team.

AFFILIATIONS: 2019 SEO-London Candidate.