

Abdullah Muhammad-Kamal

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EDUCATION

UNIVERSITY OF WARWICK BSc (Hons) Computer and Management Sciences <ul style="list-style-type: none">Key modules include Databases, Algorithms, Design of Information Structures, Operating Systems and Computer Networks.	OCT 2017 – JUL 2021
TOWNLEY GRAMMAR SCHOOL A Levels: Mathematics (A) Chemistry (A) Biology (A)	SEP 2015 - JUL 2017
COOPERS SCHOOL 10 GCSE grades A*-B including Maths, English and Triple Science	SEP 2010 - JUL 2015

CERTIFICATES

BCS Foundation Certificate in Systems Development	JULY 2020
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TECHNOLOGICAL PROJECTS

PREDICTING DRUG-DISEASE LINKS WITH DISTRIBUTIVE AND SYMBOLIC METHODS (PYTHON, R AND PROLOG) <ul style="list-style-type: none">Collected and cleaned pharmacogenetic data from STRING, DrugBank, SIDER and DisGenNET databases to build a knowledgebase.Developed link prediction models using the PYKEEN tool on the knowledgebase.Improved and analysed the performance of different distributive methods provided by PYKEEN; TransE, TransR and ConvE.Predicted missing links using Top-Down Induction of Logical Decision Trees developed from the Prolog knowledgebase.Analysing and comparing the models produced using PYKEEN and Top-Down Induction of Logical Decision Trees.	SEP 2019 – MAR 2020
SMART APPLICANT TRACKING SYSTEM (HTML, CSS, JQUERY AND PYTHON DJANGO) <ul style="list-style-type: none">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.Used machine learning to rank applicants, based on application features such as skills and experiences.Awarded second place by Deutsche Bank out of thirty-two participating teams.	JAN 2019 – MAR 2019
DEPARTMENT STORE DATABASE MANAGEMENT APPLICATION (SQL AND JAVA) <ul style="list-style-type: none">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.	NOV 2018 – DEC 2018
MULTITHREADED INTRUSION DETECTION SYSTEM (C) <ul style="list-style-type: none">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.	OCT 2018 – NOV 2018
ROBOT MAZE (JAVA) <ul style="list-style-type: none">Designing a robot exploration and navigation algorithms to successfully navigate through a maze.Enabling the robot to sense the location of the target and therefore be able to make decisions to move closer to the target.Implementing the Thremaux's algorithm to enable robot to learn from previous runs of a maze.	OCT 2017 – NOV 2017

WORK EXPERIENCE

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY Visiting Student Research Programme Intern <ul style="list-style-type: none">Working under the supervision of Prof. Robert Hoehndorf as part of the Bio-Ontology Research group.Worked on a project titled 'Predicting drug-disease links with distributive and symbolic methods.'Created and analysed graph-based machine learning algorithms to predict missing links in pharmacogenetic data.Developed a network representing the interactions between drugs, genes and diseases using RDF and Prolog format.Presented my findings to an audience of Professors, Research Scientist and current PhD students.	SEP 2019 – MAR 2020
TEACH FIRST Intern STEM Teacher <ul style="list-style-type: none">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.Offered a full-time teaching role from my performance as a teacher and member of staff.	MAR 2019 – APR 2019
WARWICK AFRICA SUMMIT Events Team Executive <ul style="list-style-type: none">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	OCT 2018 – APR 2019

VOLUNTEERING

WARWICK ISLAMIC SOCIETY Charity Week 2018 Volunteer. <ul style="list-style-type: none">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.	OCT 2018 – NOV 2018
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EXTRACURRICULAR & SKILLS

TECHNOLOGY: Proficient in Python, Java, HTML, CSS JavaScript and SQL; familiar with PHP and C++.

SOFTWARE: Microsoft Office (Word, PowerPoint and Excel), LaTeX and BibLaTeX.

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

