

Zyron Audwyn Dias

Computer Science Intern

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Education

BSc (Hons) Computer Science: University of Warwick (Coventry UK) <ul style="list-style-type: none">First-year mark: <i>First Class Classification with the highest mark of 94 in Mathematics.</i>	2017 - Present
A-Levels: Lampton School (London UK) <ul style="list-style-type: none">3 A-Levels: Further Maths -A*, Maths-A, Physics-A	2015 - 2017
GCSE: Kingsley Academy (London UK) <ul style="list-style-type: none">7 GCSE's A*-C including Maths and English	2014 - 2015
SSC: St. Dominic Savio (Mumbai, India) <ul style="list-style-type: none">Total Percentage of 91.2%	2002 - 2014

Technical Skills

- Java, C, Python, PHP, Haskell, HTML, CSS, JavaScript, Ajax, SQL, Bash.
- JDBC, Django, SQLite, MySQL, Oracle
- Linux, Windows, MacOS

Projects

Machine-Learning powered automatic hiring system for Deutsche bank: (Django/TensorFlow/Python)

- Worked with a team to develop a hiring system capable of screening applicants, skill testing and decision making whether or not an applicant should be put forward to an in-person interview.
- Developed the front-end and the back-end using **Django Framework** and **the tensor flow** machine learning library to determine an applicant's rank based on the data provided.

Shop database system (Java/JDBC/MySQL):

- Designed and implemented a shop database system including data retrieval capabilities using complex queries.

Object retrieval and enemy avoidance robot (Python/Java):

- Developed an AI-powered virtual robot with efficient maze solving, object retrieval and enemy avoidance capabilities using **A* Search**, **Dijkstra's algorithm** and **Trumeaux algorithm**.

Multi-Threaded intrusion detection system (C):

- Designed a **thread pool** version of a basic multi-threaded Intrusion detection system for the main purpose of packet sniffing.
- Main features included parsing **Ethernet, TCP, IP and ARP** headers and detecting Malicious packets including **ARP responses, blacklisted URL, and Xmas Tree scans**.

Expense splitting online web tool (HTML/CSS/PHP/AJAX/SQL/jQuery):

- Developed an online bill splitting tool for splitting expenses between members or groups of members.
- Designed a secure login and registration system along with several web security techniques including password hashing and encryption techniques and email notifications.

Work Experience

Student Tutor (Lampton School, London UK) <ul style="list-style-type: none">Responsible for assisting students with their academics, mostly in the field of mathematics, by setting up weekly tasks, assessments of varied level of difficulty.	March 2017 – May 2017
Accountant (Bhakti Yoga institute, London UK) <ul style="list-style-type: none">Responsible for sorting, searching and entering data. Designed graphs and tables in excel involving calculative formulas.	December 2015 – February 2016

Other Interests

- Great interest in football, photography, travel, public speaking and reading entrepreneurial books and biographies. Strong interest in mobile phone and computer technologies.