

# Haseem M Isaac

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A Computer Science undergraduate with **hands-on experience** of software development gained through the projects I've worked on. I am highly confident in my skills to work within a team. I have worked on projects with high level of complexity.

## TECHNICAL SKILLS

### SERVER-SIDE APPLICATIONS

- + Made a **chat bot** in Java using several libraries and by making use of various APIs which I later reprogrammed in NodeJS which is running in a **VPS**.
- + The chat bot currently has around **700~ users** all around the world. One of the hurdles that I had to overcome was the time zone offsets and DST changes that wasn't available for offline applications; there were only online APIs.
- + Experience in coding my own **APIs** in **NodeJS** and Python; one of which had in-house time zone, offset and DST detection using the latitude and longitude.

### OPEN SOURCE CONTRIBUTION

- + I have made use of several **open source projects** so to give back to the community; I decided to design an integration for Discord with the Dialogflow (API.AI) which didn't exist and published on **GitHub**

### MOBILE DEVELOPMENT

- + Currently in the process of making an application using **React Native Framework** for both Android and iOS. I have previously used the **Ionic Framework** (Combined with AngularJS and Apache Cordova).

### CLOUD SERVICES

- + Currently using the **AWS** services to run several of my applications in the cloud including VPS (EC2) instances and RDS database. I am also using **Google Cloud** and **OVH** to run VPS instances and several other services

### CONCURRENT FUNCTIONAL/RELATIONAL PROGRAMMING LANGUAGE

- + Bringing my professor's **22 years research** into fruition by making an interpreter for his concurrent **functional/relational programming language** called Aldwych.

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## PROGRAMMING LANGUAGES

- + **Advanced** – Java, JavaScript, HTML, CSS

**Intermediate** – Python, TypeScript, PHP, SQL, Objective-C, Kotlin

## EDUCATION

- + **2016-Present - QUEEN MARY UNIVERSITY OF LONDON – UNDERGRADUATE DEGREE**

- Computer Science BSc with Honours – Achieved **First Class** in 1st Year (**80%**) and 2<sup>nd</sup> Year (**77%**)

- + **2014-2016 – NEWVIC SIXTH FORM COLLEGE – BTEC EXTENDED DIPLOMA**

- **D\*D\*D\*** - Distinction in all 18 modules – 420 UCAS Points

- + **2011-2014 – LONDON EAST ACADEMY – GCSE**

- **11 A-Cs** in GCSE including English, Math and all 3 sciences

## WORK EXPERIENCE

- + **2018-Present - TEACHING ASSISTANT** – Several modules including Software Engineering and Database Systems

- + **2017-Present – SOFTWARE DEVELOPMENT** – Creating server-side and client-side applications for organisations

## AWARDS

- + **2017 - BP IMPERIAL HACKATHON**

- Awarded the first prize of £3000 for successfully winning the **Imperial College Hackspace** hackathon sponsored by **BP** and run by **Amazon** which involved heavy use of voice activated technology such as Amazon's Alexa.

- + **2016 - PRINCIPAL'S AWARD FOR ACADEMIC EXCELLENCE**

- During the NEWVIC ANNUAL AWARDS, I was honored to receive the **highest academic award** for providing outstanding effort and work throughout the 2 years.

## POSITIONS OF RESPONSIBILITY

- + **2016-PRESENT - COURSE REPRESENTATIVE - UNIVERSITY**

- I am currently serving as a course representative for 3rd year Computer Science where I present **queries or complaints** made by my fellow students to academic staff.

- + **2014-2016 - STUDENT AMBASSADOR - COLLEGE**

- Served as the student ambassador where I listened to the needs of the students and relay them to the necessary individuals so that the necessary actions are taken.