

## **Khurram Omar**

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100 Cambridge Road, Birmingham, B13 9UG

### **EDUCATION**

**University of Birmingham (2:1)** **2018 – present**  
Masters of Engineering (MEng), Chemical Engineering

**King Edward VI Camp Hill School for Boys, Birmingham** **2011 – 2018**  
A-Level: A\*A\*A in Maths, Chemistry and Physics  
GCSE: 8A\* 2A FSMQ A

### **EXPERIENCE**

**Student tutor** **October 2019 – present**  
Aletheia Academy, Stratford Road, Birmingham

- Tutor math and triple science, aged 12-17, for GCSE examinations
- Tailor learning to groups of students of different abilities, using variety of learning styles

**2<sup>nd</sup> year design project** **March 2020 – July 2020**  
University of Birmingham

Aim: ‘Research into challenges of implementation of shell in tube HEX into industry and hydrodealkylation of toluene into benzene.’

- Designed MER heat exchange network, sizing of PFR and distillation column
- Langmuir Hinshelwood reaction kinetics and P&ID diagram

**The Birmingham Project** **Summer 2019**  
University of Birmingham

- Extracurricular technology summer project, pitched to IBM panel
- Collaborative marketing of the application of AI in a classroom environment, using app/website

**Part time store assistant** **October 2016 – April 2017**  
British Heart Foundation, High Street, Birmingham

- Received and organized client stock and supplies
- Greeted customers, liaising between clients and manager, answering queries and raising funds

**Student Shadowing** **Summer 2016**  
Vaisala, Bristol Road, Birmingham

- Insight into a global leader in environmental and industrial measurements
- Appreciation of management of weather stations, using the RoadDSS Navigator

**NCS Challenge** **Summer 2016**  

- Marketed and raised awareness for the visually impaired at a care home
- Role as financial director, delegating funds
- 1st place, acquired £100 funding, holding a workshop in Birmingham city center

### **SKILLS AND AWARDS**

- Mathematical modeling, simulation and programming using MATLAB and Simulink
- Ability to interpret and draw P&ID diagram using AUTOCAD
- ICSI | CNSS certified network cyber security specialist
- Developed personal website using markup, HTML, CSS and Jekyll
- First aid skills training from St John’s Ambulance
- Lions in service award - 50 hours community service
- Gold UKMT and Silver Chemistry Olympiad certificates