Shaylan Rao

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Experience

2018 – 07

EXPEDIA | London | Data Science Work Experience
- Analysing forecasts on companies travel expenses from a large database
- Creating insights using multi-dimensional data
- Presenting insights for action-based decisions

2018 – 07 - 2019 – 04

LAKESIDE COMMUNITY SCHOOL| Singapore | Maths & Science Tutor
- Tutoring 7-9-year olds Advanced Maths & Science
- Active mentor supporting younger years

2018 – 07 - 2019 – 04

TANGLIN TRUST SCHOOL| Singapore | Teaching
- Leading Computer Science Gifted and Talented
- Teaching coding/problem solving in Python
- Leading students into competitive computing competitions

2017 – 10 - 2019 – 03

TANGLIN TRUST SCHOOL| Singapore | Web Development
- Created a multi-user website incorporating SQL
- Designed and constructed a complex pairing algorithm
- Analysed, researched and developed solution for existing problem

2016 – 05

BARCLAYS BANK| Singapore | Application Development & Tech Risk
- Part of Agile development team, overseeing launch of new platform
- Worked alongside risk management on administering identified risk
- Learned structure and process of identifying and mitigating risk

Education

2019 - 2023

University of Birmingham | UK
Artificial Intelligence and Computer Science (BSc)

2009 - 2019

Tanglin Trust School | Singapore
- **A-Level:** 3 A's *(Mathematics, Computer Science, Physics)*
  A* *(Extended Project Qualification)*
- **GCSE:** 9 A*'s *(Including Mathematics, English, Computer Science)*

Achievements

Self-Development Courses
- Machine Learning, Pandas Essential, AWS Educate and several others

Participated in Hackathons
- Hack the Midlands, BAE Systems CTF, Google Hash code

2010 – 09 - Current

Black Belt Taekwondo
- Supporting instructors whilst simultaneously working towards my black belt certification

2019 - 07

National Youth Achievement Award
- Independent Expedition across Hong Kong
- Self-taught acoustic guitar

2018

Himalayan Health Project
- Providing dental care to under-privileged

About Me

Highly motivated and studious undergraduate with a strong determination to learn and continuously self-improve. Seeking to gain an insight and broader experience within the field of Computer Science and Technology. By leveraging my computing capabilities, specifically application development skills and being able to apply Agile thinking in my approach, I can contribute towards various types of development areas. Coupled with a strong ability to objectively and systematically analyse problems leading to positive outcomes, I am able to learn at a fast pace through active involvement.

Publication

A financial and technological analysis on how financial institutes stock prices are affected after specific types cyber breaches.
http://tiny.cc/ShaylanRaoArticle

I also delivered a lecture on Quantum Computing and implications regarding encryption

Skills

- ✓ Python
- ✓ Java
- ✓ SQL
- ✓ PHP / HTML
- ✓ GitHub
- ✓ Jupyter Notebook
- ✓ Data Mining
- ✓ Data Management
- ✓ Data Visualisation
- ✓ Problem Solving
- ✓ Collaboration