

## ACADEMIC BACKGROUND

### University College London | BSc Computer Science

September 2017 – June 2021

- Grade: 78% in 1<sup>st</sup> year, 73% in 2<sup>nd</sup> year
- Top 3 module marks: **Theory** – 97, **Mathematics in Finance** – 91, **Principles of programming** - 84

### Herschel Grammar School | A-Level

September 2015 – June 2017

- Grade: A\*A\*A in Mathematics, Further Mathematics, Computer Science respectively (Top 3 in School)
- Received Awards for “**Best Further Mathematician**” and “**Best Computer Scientist**”

### Herschel Grammar School | GCSE

September 2013 – June 2015

- 8A\*\*s and 4A's Grades with A\*\*s in Mathematics, English Language

## PROFESSIONAL EXPERIENCE

### ElFenoon Moroccan Restaurant, London | Restaurant Manager

June 2019 – Current

- Recruit, train and monitor progress of new staff as well as handle customer complaints professionally and proficiently.
- Designed, developed and optimised the website for search engines as well as run marketing campaigns on Facebook and Google.

### JP Morgan & Chase, London | *Spring week Internship*

April 2019

- Chosen to attend the Spring into Technology internship in the JP Morgan offices in London.
- Led a team that won first and second place prizes in two out of two in house competitions on algorithm design and strategy

### Kazendi Ltd | Part time Augmented Reality Developer

September 2018 – May 2019

- Leading a team of 3 developers using the HoloLens' research mode to develop an application in Unity to visualise hands of the user in a remote collaboration scenario.
- Utilising data from the depth camera and ambient light sensor to enable us to overlay stylised textures on user's hands to then allow us to immerse the hands in different augmented reality scenarios - for example using fingers as coloured pens

### Manning's Tutors, London | *Computer science and Mathematics Tutor*

September 2018 – Current

- Deliver Computer science and Mathematics lessons to GCSE and A level students.
- Mentor 3 students from low socio-economic backgrounds to inspire them to pursue STEM degrees at university.

### Elfino Design, London | *Owner*

June 2016 – Current

- Manage a freelance graphic/web design company overseeing 2 remote employees.
- Network and find clients who lack an online presence in their business and provide them with the service their business needs.

### UCL Psychology and Language Science Department, London | *Lead Programmer*

January 2018 – March 2018

- Developed a cross platform application using React Native for the frontend and realm for the database to streamline mundane processes therapists face allowing them to spend more time treating patients.
- Features of the application include: a quiz with customizable questions, a results page with dynamically changing graphs to compare different statistics, functionality to customise students in the offline database which was normalised to 3NF to reduce data redundancy

## VOLUNTARY AND NON-PROFESSIONAL EXPERIENCE

### University College London | *Programming Mentor*

September 2018 – May 2019

- Selected by teaching staff as a student with a firm understanding of data structures, algorithms and programming syntax of languages taught in the first-year computer science course at UCL: Python, C, Haskell and Java to provide support to a group of 6 students.
- Organize weekly sessions where I explain concepts like dynamic programming, Big O notation and various algorithms.

### Financial Times, London | *FT Talent Participant*

October 2018

- Selected as one of 50 from a pool of 1400 applicants to participate in the inaugural FT Talent event over 3 days where we were grouped in teams of 5 and tasked with the question “How can the FT become a platform for learning?”
- Developed a working prototype of our solution and led a pitch in front of the FT board members including the CCO.

### UCL Technology Society | *Programmer at Hackathon*

October 2017

- Developed a Halloween themed application which takes the user's postcode as input and outputs a heat map illustrating areas of high crime density to advise parents of which areas to avoid when taking children to “trick or treat”
- Retrieved real time crime data using the Police Data API and to display the heat map we made use of the Google Maps API.
- Awarded 1<sup>st</sup> place prize by event sponsors Amazon

### Web Dev and Coding Club, London | *Director*

March 2015 – June 2017

- Organized a weekly coding bootcamp which introduced non-technical students to the concepts of imperative programming in Python, front-end web development as well as basic algorithms and data structures.
- Inspired 10 students out of 13 to pursue STEM degrees at university

## SKILLS, INTERESTS AND ACHIEVEMENTS

- **Insight events:** Chosen to attend insight events at Barclays, Bloomberg, Deloitte, Bank of America Merrill Lynch, JPMorgan
- **Languages:** English (Native), Arabic (Fluent), French (Intermediate), Mandarin (Basic)
- **Technical skills:** Python, C, Haskell, Java, React Native, Database design, HTML5, Arduino, JavaScript (ES6), SQL
- **Swimming and middle distance running** - represented London Borough of Hounslow nationally
- **Football** - represented Brentford FC academy from the age of 14 – 16
- **MOOCs and Online courses** ; Stanford Machine learning , Harvard cs50 Introduction to computer science
- **GitHub Personal Projects** : <https://github.com/faridelaouadi>