

ACADEMIC BACKGROUND

Independent online learning | Edx, Coursera

Ongoing

- Harvard's CS50 Web Programming with Python and JavaScript, Stanford's Machine learning course (Andrew Ng)
- Stanford's Probability and Statistics Stanford's CNN for Visual recognition MIT's Linear Algebra

University College London | BSc Computer Science

September 2017 – June 2021

- Grade: 78% in 1st year, 73% in 2nd 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

Freelance Developer and Designer

June 2016 – Current

- Network and find clients who lack an online presence in their business and provide them with the service their business needs ranging from a simple website to complex systems such as an online food ordering system.
- Work in iterative, agile cycles to ensure the product at the end is what the client intended to hence maximise client satisfaction

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

April 2019

- Led a team that won first and second place prizes in two out of two in house competitions on algorithm design and strategy
- Successfully converted into a summer internship offer

Kazendi Ltd | Augmented Reality Developer

September 2018 – May 2019

- Led 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.
- Utilised data from the depth camera and ambient light sensor 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 – September 2019

- 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.

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 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.
- Organised weekly sessions where I explained 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.

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 1st place prize by event sponsors Amazon

Web Dev and Coding Club, London | *Director*

March 2015 – June 2017

- Organized a weekly coding bootcamp in secondary school which introduced non-technical students to the concepts of imperative programming in Python, front-end web development (HTML, CSS, JS) as well as basic algorithms and data structures.

SKILLS, INTERESTS AND ACHIEVEMENTS

- Spoken Languages:** English (Native), Arabic (Fluent), French (Intermediate), Mandarin (Basic)
- Technologies I am currently using :** Python, Java , JavaScript, SQL, Flutter/Dart, MATLAB, Google Cloud, Docker, C, Bootstrap, Git, Travis CI
- Swimming and middle distance running** - represented London Borough of Hounslow nationally
- Portfolio projects ( GitHub : faridelaouadi) :**
 - Slack clone:** An online messaging service that allows users to create/join chatrooms as well as send/receive files.
 - Social network web app:** A social network for a university society to connect alumni and current students for mentoring
 - Online collaboration tool:** A collaboration tool where users can simultaneously work on a whiteboard and communicate
 - Book Review platform:** A social reading platform where users can review books and make informed decisions on their next book using the Goodreads API