

# ZOHAYB SHAIKH

O: +971 50 1097089, E: [zohayb1996@gmail.com](mailto:zohayb1996@gmail.com)

## EDUCATION

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- 2017 – 2020 Queen Mary University of London** **London, UK**  
Bachelor of Science (BSc) with Honours in Computer Science  
Final Project received highest individual grade in advisory group - YoutubeNLP Analyser.
- 2018 – 2018 Fullstack Academy of Code** **New York, USA**  
13 Week immersive software engineering bootcamp focused on building full stack applications using Javascript.
- 2015 – 2017 New York University** **New York, USA**  
Two-year general education in liberal arts and writing program.

## EXPERIENCE

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- July 2021 - October 2021 VisionX** **Remote**  
*Technology startup building machine vision systems and products that enhance human productivity*  
*IOS Software Engineer, Mobile App Development Department*
- Implemented multiple sample projects using the MVC and MVVM architecture in UIKit, and SwiftUI.
  - Responsible for integrating machine learning models to detect object location within an AR environment.
- July 2019 - August 2019 Sparkcognition** **Austin, Texas**  
*Artificial intelligence technology startup that builds AI technology solutions for industrial applications.*  
*Software Engineering Intern, DeepNLP*
- Solely responsible for the development and integration of a web component built using Angular and JSX to visualise and categorise the transformation history of previously run natural language processing algorithms on an unstructured and structured document data set for the DeepNLP web platform.
  - Optimised previously implemented polling function to reduce the number of client-server requests required when fetching sequential transformation data from Apache Solr and PostgreSQL database.
  - Worked closely with the data science, UX design and QA team through Confluence and JIRA.
  - Completed web tool was tested by QA and integrated into the DeepNLP web application to be used by clients.
- June 2016 - August 2016 Omnispire Education** **Dubai, UAE**  
*Service provider to support teachers, principals and owners of educational facilities.*  
*Business Analyst Intern, Research Department*
- Conducted an extensive analysis of the college test prep market of Dubai and Sharjah to assess the potential of Omnispire to diversify and introduce a SAT and ACT test preparation service.
  - Visited and contacted existing competitors in the region to create a SWOT analysis and pricing structure analysis presentation for new entrants into the test prep market.

## PROJECTS

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### **YoutubeNLP Analyser - Javascript, React, PostgreSQL**

*Website performing keyword extraction, sentiment analysis and LDA topic modeling on captioned text data from YT videos*

- Integrated a search interface to identify all instances of a particular word / topic present in each video.

### **Drop AR - Javascript, React-Native, Firebase, OAuth**

*Mobile application allowing users to create and share 3D artwork in an Augmented Reality environment.*

- Integrated Firebase databases to allow multiple users to collaborate on a single art piece in real time.
- Created Three.js mesh objects varying in texture, size and scale to allow creation of complex art in an AR environment
- Integrated Firebase databases to allow multiple users to collaborate on a single art piece in real time.

## EXTRA CURRICULAR

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**Austin Sunshine Camp:** Assisted teaching kids aged 8-14 years old about robotics and programming fundamentals using Lego MindStorm during a summer camp program in the greater Austin Area.

## PERSONAL

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Interests: Basketball, Music, Chess, Psychology

Skills: Javascript, Java, Swift, Python, C#, React, React-Native, PostgreSQL, Angular, Node, Redux, Express, Photoshop, HTML, CSS