Sheamol Obeda

University of Cambridge, Masters in Engineering

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EDUCATION

King's College, University Of Cambridge October 2018 − June 2022

MEng − Class II.1 Information and Control Engineering
BA Hons − Class I Aeronautical and Aerospace Engineering
Papers include: Business Economics, Strategic Management, Environmental Sustainability within Business, Business Innovation in a Digital Age, International Business, Machine Learning, Deep Learning and Structured Data, Computer Vision

WORK EXPERIENCE

BidFX 5th Floor, York House, Kingsway, London

Graduate Technologist October 2022 − Current

- Engaged in rotations spanning integration, infrastructure, and development operations
- Implemented the transition of the business model towards embracing continuous integration and continuous delivery methodologies by integrating Kubernetes and terraform
- Facilitated technical communication with liquidity providers such as NatWest and Santander, orchestrating the establishment of cross-connects for client utilisation
- Collaborated seamlessly with colleagues across diverse teams, pooling expertise to troubleshoot challenges including CPU overheating concerns and the streamlined deployment of servers

Untitled Video Game Start-up

Co-founder, Developer, Business Development Lead March 2023 − Current

- Established a startup within the video game industry, focusing on the entire lifecycle from inception to production release
- Orchestrated and supervised all aspects of marketing, crowdfunding initiatives, and business expansion to drive the project's success

King's College Summer Research Programme King's College, Cambridge

Cambridge Computer Lab − Student Researcher June 2021 − September 2021

- Created a solution for identifying animal diseases through the analysis of sheep gait, employing computer vision and machine learning techniques across more than 200 data points
- Implemented convolutional neural networks to train the system on a significant 100-hour dataset, reducing human processing time and potential errors to a noteworthy extent
- Concluded the project by presenting a finalised computer program adept at detecting sheep footrot via video gait analysis, showcasing the achievement to an academic panel during an end-of-project conference, followed by a Q&A session

The MTC Ansty Park, Coventry

Design for Additive Manufacturing Team − Summer Intern July 2019 − September 2019

- Devised a solution incorporating topology optimisation to curtail waste by a 23% and enhance operational efficiency within additive manufacturing processes
- Spearheaded the establishment of comprehensive guidelines for incorporating Solidworks and NX toolboxes, dedicated to resolving issues surrounding tolerancing and geometric dimensioning, which was instrumental in mitigating errors within the manufacturing workflow

Sheamol Obeda Photographic Services Cambridge

Owner and Photographer - Portfolio on Sheamol.com September 2018 − June 2022

- Established a thriving photography enterprise catering to a diverse clientele of more than 50, spanning event coverage, social media content, fashion shoots, and portrait sessions
- Strategically promoted the array of services to a broad audience, leveraging social media and online platforms to connect with more than 10,000 individuals
- Amplified outreach by crafting a compelling digital identity, exemplified by the creation of an interactive website, providing potential clients with a platform to explore and engage with offerings

PROJECTS

Natural Language Processing of Student Social Media Page December 2021

- Monitored shifts in student sentiment through the examination of more than 200,000 Facebook posts sourced from an anonymous student confessions page
- Showcased the compiled dataset to a significant audience of 100,000 followers, utilising natural language processing tools in tandem with data visualisation methods, which enhanced engagement by serving as a comprehensive end-of-year review post

Hack Cambridge January 2020

- Collaborated with three fellow students to create a prototype data management system, aimed at establishing a centralised database for all NHS resources, to enable data sharing among practitioners, contributing to improved efficiency
- Engineered a data extraction software solution, which facilitated the direct upload of extracted text from written pages to the established system
- Presented the project comprehensively to a panel of judges, adeptly pitching the product's merits and the accompanying business strategy

SKILLS

ENTREPRENEURSHIP AND CHARITABLE INITIATIVES

King's Entrepreneurship Lab   September 2021 − June 2022
- Formulated and refined a business concept through the utilisation of resources offered during a week-long conference
- Engaged in seminars covering crucial topics including startup funding, intellectual property law, and the evolution of concepts into sustainable businesses
- Attended enlightening talks by external speakers including Herman Hause and Warren East

The Cambridge Period Project   September 2021 − June 2022
- Headed a charitable initiative aimed at supplying period products to the Cambridge community
- Developed a successful campaign and lobbying effort that led to the university's provision of period products for all students
- Directed the marketing and development team, leveraging social media platforms to foster engagement and awareness

College Alumni Fundraising Campaign   December 2020
- Conducted more than 50 meaningful conversations with college alumni via telephone, achieving the highest call count over three consecutive weekends
- Achieved donations surpassing £20,000, thereby contributing to the improvement of student amenities within the college

LEADERSHIP

Cambridge Cardboard Boat Race *Treasurer*   April 2022 − June 2022
- Orchestrated and supervised the annual Cambridge Cardboard Boat Race, drawing an audience of over five thousand spectators
- Secured £1000 in funding from sponsors, allocated towards waste management and essential equipment

Cambridge University TaeKwonDo *President*   April 2021 − April 2022
- Reestablished membership to more than 30% of pre-COVID levels, reinvigorating the club's involvement
- Orchestrated the coordination of the varsity championships, a significant event uniting Cambridge and Oxford
- Pioneered the establishment of an alumni network, promoting interactions between current students and graduates, cultivating a more expansive and connected community

Cambridge Students' Union *Campaign Manager for Zaynab Ahmed*   March 2021, March 2022
- Led the victorious team in successive years: Elected President in 2022 and Access, Education, and Participation Officer in 2021
- Devised and executed a comprehensive campaign strategy encompassing social media, flyering, hustings, and speeches

King's College Student Union *Sports, Societies and Freshers Officer*   March 2019 − March 2020
- Took the lead in orchestrating and executing Freshers' Week 2019, catering to a cohort of more than 130 students
- Assumed responsibility for the comprehensive management, budgeting, and engagement of more than 50 student societies and sports on a day-to-day basis

SOCIAL MEDIA MANAGEMENT

Administrator of Anonymous Student Submissions Page   March 2021 − June 2022
- Managed a thriving Facebook page with a substantial following of more than 21 thousand users
- Generated content with foresight, leading to a notable 20% increase in engagement
- Conducted rigorous oversight of submissions, posts, and comments, cultivating a supportive and interactive student community

OTHER ACTIVITIES

President of King's College Darkroom and King's College Cardboard Boat Club, Social Secretary for Cambridge University Ceilidh Band, Webmaster for *The Cambridge Period Project* and *Cambridge University BanglaSoc*, Reviewer of theatre productions for the *Varsity newspaper*, Crew member at 50 Years of Women at King's Festival, Cook and Team Lead at Cambridge Community Kitchen

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LANGUAGE AND IT SKILLS

Languages: English (Fluent), Bengali (Mother Tongue), BSL (Beginner), German (Beginner), Mandarin (Beginner),
Programming and Markup: Python, Java, C, C++, SQL, MATLAB, git, Raspbian, CSS, HTML, Linux, cmd, LaTeX

INTERESTS

TaeKwonDo: Black Stripe, British University Championships in Nottingham 2022, Varsity Squad for the University of Cambridge in 2022, 2020 and 2019
Other Sports: Surfing (Anglesey, Peniche, Newquay), Snowboarding (Val Thorens 2021), Rowing (Second Men's Boat, King's College 2019 and Northampton Time Trials, Bishop Vesey's 2017), Running (Cambridge Half Marathon, April 2022)
Darkroom and Digital Photography: Darkroom photography experience since 2011, exhibits in King's College and Birmingham Art Gallery, portfolio on Sheamol.com
Improvised and Stand-up Comedy: Stand up shows with the Cambridge Footlights in Cambridge and the Edinburgh Fringe, solo show in Val Thorens, improvised comedy shows with the Cambridge Impronauts in Cambridge, improvised musical shows with the Showstoppers in London
Folk Musician: Bodhran and Fiddleplayer, gigs in Cambridge, Oxford, Birmingham, Yorkshire, Devon, Calais and Cornwall
Life Modelling: Modelling for professional artists (Frontier Games) and student events (Architecture Society, Fitzwilliam Museum After Dark)