

Zachary Bedja-Johnson

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Education

University College London, MEng, Mechanical Engineering <ul style="list-style-type: none">First year grade: 2:1 (67%)	2018 - 2022
Babington House School, Mathematics Scholarship <ul style="list-style-type: none">A-levels: A* Maths, A Further Maths, A Physics and B Chemistry	2016 - 2018
Trinity Church of England School, Secondary Education <ul style="list-style-type: none">GCSE: 9A*-B including English and MathsDistinction* ECDL (BCS Level 2 in IT Application Skills), B FSMQ Additional Mathematics	2011 - 2016

Experience

American Express, Microsoft, UCL Data Science Society Hackathon <ul style="list-style-type: none">Winning team - 'Best technical analysis at the DSS Hackathon 2019'Utilized Azure Machine Learning to predict the credit risk of customers applying for loans from a range of factorsProduced a business proposal built from our results and presented to a panel of judges at the Microsoft Reactor offices	Nov 2019
Deutsche Bank, Rare Recruitment Insight Event <ul style="list-style-type: none">Winning team in case study exercise. Tasked with allocating £20,000 of funding within a department. Given 20 minutes to evaluate options and produce a 3-minute presentation to present to a panel of graduates and senior employeesDemonstrated excellent verbal communication, rapid analysis and time management skills under pressureThrough a series of presentations from senior employees, taught about the roles available within corporate finance	Oct 2019
Urban Mobility Labs, Summer Intern <ul style="list-style-type: none">Mechanical Design Engineer – Collaborated within a 5-person team designing prototypes for mechanical systemsReduced weight by 35% through Finite Element Analysis and Topology studies whilst increasing strength and cost-effectivenessDeveloped a transport planning algorithm written in Python; the algorithm analyses a dataset of over 4 billion origin-destination routes, testing congestion and modelling overall coverage of a transport network	Jun - Sep 2019
Aspinal of London, Sales Associate <ul style="list-style-type: none">Delivered highest level of customer service, demonstrated exceptional product knowledge and built quality customer relationships at a London luxury brand, increased customer satisfaction and sold over £100,000 worth of goodsWrote the end of day reports identifying bestselling items and other key performance indicators	Nov 2017 - Present
Fidelity International, Early Insights Sixth Form Programme <ul style="list-style-type: none">Three days in Fidelity's London office working alongside other Sixth Formers, grew knowledge within their investment management, business and technology teams and experienced pitching innovative ideas to a panel of senior executives	Apr 2017
Vela (formerly Object Trading), Fintech Internship <ul style="list-style-type: none">Introduction to futures and equity trading at Deutsche BankWrote informative documentation, allowing clients to smoothly transition to a faster version of a global DMA platformRan tests on FrontRunner's order execution and pre-trade risk APIs, placing futures orders on demo exchanges	Mar - Apr 2017

Achievements

DofE Gold <ul style="list-style-type: none">Completed two 4-day expeditions with an open awards centre, where I led both expeditions across the black mountains with completely unknown groupsSix months volunteering at Scope charity shop, working as a sales assistant	Sep 2017 - Present
Winner Design Ventura <ul style="list-style-type: none">Design Museum's international award-winning, student design and enterprise competition. Delivered product pitch to a panel of Design Museum judges and a Deutsche Bank Director. Our product Pics Pins was sold in the design museum shop, raising money for Tay Sachs sufferersTeam leader and Head of Finance; Identified target audience and priced product accordingly, calculated profit margins over a six-month period based on material cost and sales volume	2012 - 2013
LSE Summer School <ul style="list-style-type: none">Week-long program including introductory classes, lectures and workshops for economics, law and political sciencesOpportunities to develop my teamwork, problem solving and presentation skills through numerous projects	Jul 2016

Projects, Skills and Interests

Trove – Founder and sole developer of a Financial data aggregator, helping investors to make informed decisions
Algorithmic Trading – Developed trading algorithm based on Bollinger Bands and the stochastic oscillator, written in Python
Programming – Python (Advanced), JavaScript (Advanced), MATLAB (Intermediate), C++ (Beginner)
Software – Excel, Word, PowerPoint, MetaTrader 5
American Football – Second-year free safety for UCL Emperors