

Faizan KHAN

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EDUCATION

INSEAD

MBA Class of July 2018

Entrepreneurship Track with electives in New Business Ventures, Data Science for Business, New Business Models

Independent Study Project: Creating a tool that uses machine learning techniques to predict the probability of a stock being purchased by an Activist Investor.

Member of Entrepreneurship Club, Private Equity Club, Golf Club

France
2017 - 2018

IMPERIAL COLLEGE LONDON

MEng Electrical and Electronic Engineering with Management

- Active in Imperial College Radio (Producer and host of a weekly show), Student Council (Honorary Secretary of the City and Guilds Student Union), Hall Senior (organised events for 1st year students in collaboration with the university)

United Kingdom
2008 - 2012

EXPERIENCE

ROLLS-ROYCE PLC

A global engineering company that produces propulsion systems for Aerospace, Marine and Nuclear applications

Performance Engineer

- Led an integrated project team to deliver improved fuel efficiency and service life on Trent 900 engine for the \$9.2 billion A380 order by Emirates
- Headed an investigation into service failures on Trent 900 aircraft engine and coordinated with companywide technical experts to analyse the reasons
- Formulated a technical strategy to address in-service failures and increase product life by more than 100% for the Trent 900 aircraft engine
- Negotiated service contracts worth \$10 million with potential buyers in collaboration with the commercial and business evaluation departments
- Improved the process of generating and analysing data for engine design by leveraging big data capabilities within the company; reduced data processing time by more than 200%

United Kingdom
2016 - 2017

Aerodynamicist

- Pioneered the aerodynamic design of the Variable Pitch Fan: a game changing technology to reduce engine noise by 65%
- Innovated to create a new algorithm to optimise novel fan research and development concepts; automated software tools to run multiple scenarios and explore new approaches
- Coached technical experts on the use of the software tool to automate the fan blade design; brought down department design timescales by more than 100%
- Partnered with Rolls-Royce North America to implement big data techniques to analyse huge data sets and create predictive models; saved at least 1000 man hours/year

United Kingdom
2014 - 2016

Leadership Graduate Trainee

- Setup the Repair Technology Development team at the Rolls-Royce@NTU corp labs in Singapore; an investment of \$75 million
- Deployed 3D printing techniques to repair engines in partnership with local suppliers and universities in Singapore, the first in-service 3D printing initiative in the company
- Initiated an innovation portal at Rolls-Royce Singapore to encourage new ideas; pushed forward 3 ideas worth at least \$1 million savings and encouraged the filing of a patent
- Steered the engine design of a future large engine campaign with Airbus; improved fuel efficiency by approx. 25%
- Led a lean six sigma green belt project to implement a global process improvement initiative for future tool development; saved more than £10 million in re-work costs
- Managed a cross functional team from across 5 different countries and 3 different functions to achieve one objective: deliver a global turbine design process

United Kingdom
/Singapore
2012 - 2014

ADDITIONAL INFORMATION

Interests: Sports: Cricket (Captain of the Rolls-Royce evening cricket cup champions in 2016), Football (participate in a weekly 5 a side football) and Golf (member of the INSEAD golf club); Teaching (STEM ambassador for schools in the UK); Radio Jockey (produced and hosted a weekly radio show)

Work authorisation: United Kingdom (permanent resident), Pakistan (national)

Languages: English (Native), Urdu (Fluent), French (Basic)

Proficiency: Valuations, Financial Modelling, R, Python, Fortran, Matlab, SQL, Tableau, Minitab, Six Sigma Green Belt, SAP, P6

Awards: Top three Rolls-Royce Design and Make project award 2013, Nominated for the Rolls-Royce graduate of the year award 2013