

Simran Singh Panesar

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PERSONAL STATEMENT

An Aeronautical Engineering graduate now seeking opportunities within aerodynamics and systems design for ground vehicles and airframes. Equipped with a thorough understanding stemming from a focus on aerodynamics/CFD based modules and control engineering throughout university, as well as extensive practical experience working on cars. A committed, creative and career-focused individual adept at working alongside others and autonomously to deliver results now keen to learn more in industry.

ROLES OF LEADERSHIP

Group Design Project Team Leader (September 2018 – June 2019)

Project SkyRide - Loughborough University

- Led a team of 10 members for American Institute of Aeronautics and Astronautics (AIAA) RFP to design an aircraft for use in thin haul transport and air taxi applications
- Coordinated weekly meetings to review work done, solve any issues and set tasks
- Developed concepts, system diagrams, assessed stability characteristics and created a model
- Averaged a First Class for entire project (74%)

Vice President of LSU Sikh Society (September 2018 – June 2019)

Loughborough Students Union

- Managed a Students Union society with 50+ members
- Liaised with Loughborough Societies Executive, British Organisation of Sikh Students and other societies to organise events
- Informed all members throughout the year through social media and emails
- Increased paid memberships from 3 to 30+ compared to previous year

WORK EXPERIENCE

Various Temporary Roles (July 2019 – Present)

Bucks and Berks Recruitment - Across Buckinghamshire and Berkshire

Responsibilities:

- Handled deliveries and set up a product launch presentation (Mattel UK - Maidenhead)
- Performed software updates on payment units for vending machines (Crane Payment Innovations - Reading)
- Volunteered at a charity shop for customer service experience (Shaw Trust - Gerrards Cross)
- JustEat and UberEats delivery driver

SFDC Cleanse Analyst (July 2017 – September 2017)

Ruckus Wireless - Wooburn Green

Responsibilities:

- Gained experience using Excel to analyse large quantities of data from 40+ global clients
- Created a tool to allow sales managers to rapidly find assigned regional managers for distributors
- Reduced distributor inventory shortages with a redesigned reporting process
- Chased up partners with outdated reporting templates and liaised with teams in the US weekly

Survey Admin Support (December 2014 – September 2015)

Hospedia Limited - Slough

Responsibilities:

- Analysed survey data from 120+ hospitals across the UK
- Performed data validation tests and produced professional reports using Excel and QlikView
- Created new surveys and polls based on customer requirements
- Provided customer support and training sessions

EDUCATION

Loughborough University (September 2015 – July 2019)

- Aeronautical Engineering (Masters, 1st Class Honours)
 - Aerospace CFD (74%), Low Speed Aerodynamics (75%), Aerodynamics (64%), Flight Control Systems (88%), Autonomous Vehicles (45%), Group Design Project (74%), Principles of Composite Materials and Structures (78%), Thermodynamics (72%), Turbomachinery and Propulsion (80%), Gas Turbine Design (64%), Management (66%)
 - Final Year Project Dissertation (77%) – “Influence of asymmetric tip loss to V-tail aircraft”

John Hampden Grammar School (September 2007 – August 2014)

High Wycombe

- 4 A-Levels (Grades A - B)
- 11 GCSEs (Grades A* - B)

FURTHER DETAILS AND ACHIEVEMENTS

- Strong ability to use CAD software (NX 12, AutoCAD, SolidWorks, CATIA V5, OpenVSP), FEM software (NASTRAN) and CFD software (Star-CCM+, Fluent, VLM)
- Experienced in using MATLAB for analysis and Simulink from an Autonomous Vehicles module.
- Strong interest in aviation and cars in general, perform my own car maintenance and have experience restoring a classic car as well as attending air and motor shows
- Advanced ability using Microsoft Office. Basic coding ability in C, Python, HTML, CSS and JavaScript
- Student Mentor for Aeronautical Engineering and Leader of Excellence in Art
- Completed 3 day Full First Aid at Work course (HSE approved)
- References available on request