Bartlomiej Hasko

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EDUCATION

The University of Manchester **Manchester, UK**

MSc Aerospace Engineering *(Sep 2022 – Sep 2023)*

Predicted Grade: Distinction

The University of Manchester **Manchester, UK**

BEng (Hons) Aerospace Engineering *(Sep 2019 – Jun 2022)*

GPA: Upper-Second class honours

- Implemented a novel approach into the kinematic model of falling samara seeds and modelled it in MATLAB for dissertation purposes; gained experience in project planning and leading scientific research
- Created conceptual satellite design for removal of space debris in accordance with user needs; Incorporated creative thinking to solve problems and ensure design feasibility
- Acquired sound knowledge of engineering concepts through many theoretical modules; Worked on projects in laboratories and gained experience in experimentation
- Developed collaborative and interpersonal skills through many curricular group projects that had to be delivered against a deadline
- Gained experience in usage of various simulation and programming software: MATLAB, SOLIDOWRKS, Ansys

5th High School **Gdansk, Poland**

Matriculation Exam Results *(Sep 2016 – may 2019)*

- Advanced Mathematics: 95th percentile
- Advanced Physics: 89th percentile

RELEVANT EXPERIENCE

Flight Simulation Society **Manchester, UK**

Society member *(Sep 2019 – Jun 2021)*

- Researched market for possible directions of future aircraft designs and found market gap for a private supersonic jet that would decrease flight time between New York and London by 50%
- Tested private supersonic jet design in the Excalibur Flight Simulator while identifying possible obstacles in future development
- Delivered presentations on aircraft design and theoretical topics to society members
- Picked as supervisor of society's freshers' team to lead through aircraft design process

Hyperloop Manchester Society **Manchester, UK**

Simulations team member *(Sep 2019 – Jun 2020)*

- Performed FEA simulations of Hyperloop's main frame in Abaqus, which led to shape changes that would decrease the maximum stresses present in the structure by 20%
- Researched composite materials for main frame and contacted manufacturers to gain more insight into pricing and manufacturing techniques, thus reducing costs by 10%
- Performed CFD simulations and optimization of outer shell design in Ansys which decreased drag by 45%

OTHER EXPIRIENCE

Restaurant Trattoria Gusto **Gdansk, Poland**

Restaurant Team Member *(Jun 2021 – Sep 2021; Jun 2022 – Sep 2022)*

- Worked in fast-paced, stressful environment that required advanced multitasking skills while maintaining attention to detail
- Maintained stock of service area and informed management of inventory needs
- Interacted with an average of over 50 customers per day while maintaining a high standard of guest satisfaction

SKILLS & INTERESTS

Languages: Polish (Native), English (Fluent, CAE qualification passed in 2018), German (Basic)
Skills: Problem-Solving, Critical Thinking, Excellent communication and interpersonal skills, Attention to Detail
Software: MS Office, Matlab, SOLIDWORKS, Ansys, Abaqus, Python, LabVIEW, GMAT
Interests: Theoretical Physics, Astronomy, Finances, Formula 1, Football, Guitar