JONAS SINJAN

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D.O.B. 17/04/1998 – Nationalities: British and Belgian
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EDUCATION

MSci Physics 2016 - present
Imperial College London, UK

Average after first two years: 73.8% (First Class - highest degree qualification)
Courses for 3rd year: Astrophysics, Plasma Physics, Computational Physics, Advanced Classical Physics, Physics of the Universe, Light & Matter, Fluid Dynamics, Laboratory III, Comprehensive I, Comprehensive II

Sixth Form College 2014 - 2016
King's College School Wimbledon, UK.

4A*s at A-Level in Mathematics, Further Mathematics, Chemistry and Physics (A* - highest grade)

Secondary School 2010 - 2014
The Harrodian School, UK

11A*s at GCSE (A* - highest grade)

RESEARCH EXPERIENCE

Undergraduate Research Opportunities Programme (UROP) Summer 2018
Imperial College London, UK

- Title of Project: 'The Generalised Bohm Condition for a Flowing Plasma'
- Under the supervision of Dr. Michael Coppins (Reader in Physics in the field of dusty plasmas)
- Member of the dusty plasma research group, which had meetings fortnightly at Oxford University or Imperial College London with Professor John E. Allen
- Reviewed papers by Baalrud et al on their derivation for a generalised Bohm Condition
- Used Python to compute integrals numerically to validate their derivation
- Compared these results to other works in literature and concluded that the result from Baalrud et al could be true for large dust grains but more investigation would be required
- Presented my findings to the dusty plasma research group
- Applicable for study of dust particle interaction in fusion-grade plasmas found in reactors such as JET or ITER

FURTHER EXPERIENCE

Waiter at AYS (At Your Service) Agency Summer 2017
London, UK

- Worked as a waiter in prestigious locations such as the Royal Albert Hall, The Savoy Hotel, Lord's Cricket Ground and the London Olympic Stadium
- Learnt how to work under pressure and communicate effectively with customers and co-workers alike

PERSONAL PROJECTS

ICHACK 2019 Jan 2019
Imperial College London

· Worked as part of a 4 man team during the UK's largest student run hackathon to create a web-app to encourage users to reduce food waste.

Rocket Trajectory Calculator 2019

· Wrote a program that numerically integrated the ODE equations that govern the height, velocity and mass of any any single or two-stage rocket to generate plots of these variables' variation during the flight for several drag models.

SKILLS

Languages	English (native), Dutch (native), German (Level 1 Imperial Horizons)
Software	Python (numpy, scipy, flask, matplotlib), HTML, CSS, Git, LaTeX, MS Office
Qualifications	UK Driving Licence

POSITIONS OF RESPONSIBILITY

ICSEDS Events Officer & Industrial Liaison Officer 2018 - 2019 Academic Year
Imperial College London, UK

· ICSEDS is acronym of Imperial College Students for the Exploration and Development of Space
· Currently member of High-Powered Rocketry Group, whose goal is to design and launch a rocket to break the sound barrier in ascent.
· Organised events such as a Guest Lectures by Principal Investigators from the Cassini/Solar Orbiter Missions, and a Kerbal Space Program Challenge.
· Negotiated the society's largest ever sponsorship with Orbex
· Organised the society's first ever 'SpaceChat' with Virgin Galactic/Galactic Unite

AWARDS

Bronze, Silver and Gold Duke of Edinburgh Awards	2011-2016
Sixth Form Award for Excellence in Examinations	2016
Fawcett Scholarship at 16+ Entry to King's College School Wimbledon	2014
Grade Six Distinction Trinity College Jazz Alto Saxophone	2015
Internal Scholarship at 13+ at The Harrodian School	2011

REFERENCES

Available on request