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 in 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'
- Supervisor: 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 validate their derivation
- 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.
- This research is applicable for study of dust particle interaction in fusion-grade plasmas found in reactors such as the JET reactor (Culham, UK).

CODING 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 by notifying users when their food items would expiry, possible recipes and Co2 emissions that would be wasted were the foods not to be eaten.

Rocket Flight Program 2019

· Wrote a program that calculated the final velocity, coast time to apogee and peak altitude, was used in the design phase of the rocket built in the High Powered Rocketry group in the Imperial College Space Society.

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

Imperial College Space Society: Events Officer & Industrial Liaison Officer 2018 - 2019 Academic Year
Imperial College London, UK

· 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