

OWEN JOHNSON

Templelyon House, Redcross, Wicklow, Ireland
(+353)87 116 0331 ◇ owen.johnson@ucdconnect.ie

CAREER OBJECTIVE

To pursue further academic education and work for an organization in academia or a similarly orientated field which provides me the opportunity to improve my skills and knowledge to grow along with the organization's objective. I ultimately aspire to use my knowledge to its potential in a S.T.E.M related field as a project lead in R&D.

EDUCATION

University College Dublin (UCD), Dublin, Ireland
BSc (Hons), Physics with Astronomy and Space Sciences
School of Physics

September 2018 - September 2022

*Current Classification: 1st Class
GPA: 3.7/4.2*

TECHNICAL STRENGTHS

Programming Languages	Python, LaTeX, C.
Software & Tools	MS Office, Git, Windows, Linux.
Media Software	Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, Adobe Premiere. Cinema 4D and Z-Brush
Audio Software	Audacity, FL Studio, Adobe Audition
Practical Skills	Soldering, Hardware Modifications, Photography and Electronic repairs.
Teaching	Tutoring & Lab Demonstrating.
Research Skills	Radio & optical observations, Photometry and Radio astronomy Data processing, Qualitative & Thematic Analysis.

RELEVANT WORK EXPERIENCE

UC Berkeley SETI Research Center
Research Assistant

May 2021 - Present

- Working as part of the wider SETI and Breakthrough initiative using low frequency radio-astronomy to search for evidence of extra-terrestrial life. Developing software and performing observations. Regularly presenting and publishing findings.

UCD Estate Services
Residential Assistant

August 2021 - Present

Out of hours service to over 750 university residents. Fire safety & first aid training. Liaise with estate services, campus security and other residential assistants. Providing safety and community for all students.

UCD Physics Department
Research Intern

January 2021 - May 2021

- Working on a case study that involves the analysis of surveys to inform the write up of research reports and the preparation of supporting materials for the incorporation of EDI awareness into physics and mathematics teaching and learning practices.

PUBLICATIONS

Gajjar, V. et. al (2022). *Simultaneous dual-site SETI with LOFAR international stations*. Manuscript to be submitted for publication to ApJ (copy on file with authors).

Johnson, O. (2022). *Path-finding with the Old Breed: Using the Old Open Clusters for Galactic Tracing*. Final year project to be submitted as part of BSc to UCD School of Physics (copy on file with author).

CONFERENCE PRESENTATIONS

Are We Alone? A LOFAR SETI Survey of TESS-Selected Exoplanets, Irish National Astronomy Meeting, Sep. 2021

ACADEMIC ACHIEVEMENTS

- UCD President's Award (Highest Student Honor)
- UCD Award: Recognition of Student Achievement
- Student of the year in Physics, Chemistry, English and History, 2017, 2018
- Outstanding Leaving Cert Award, 2018
- Leaving Cert Scholarship Award

EXTRA-CURRICULAR

UCD Senior Access Leader, 2018 - Present

- Ambassador for underrepresented students.
- Participated in panels to improve classroom conditions for students with disabilities or other circumstances.

UCD Science Leader 2020 - present

- A role given to example students to work primarily on outreach events for those pursuing a STEM related degree in third level education.

UCD Science Society Auditor 2020 - 2021

- Led team of 11, raising money for charity and creating community within science cohort.
- Designed and ran weekly events for members.
- Co-founded the Irish National Science Championship (INSC), awarded event of the year.

UCD Science Society Committee Member, Graphic Design, OCM 2019 - 2020

- Managing and co-hosting society run events.
- \LaTeX Workshop
 - Created a deck of slides and notes to a very high standard on the topic 'Introduction to \LaTeX .
 - Taught the workshop with two peers to fellow students.
 - Awarded student teaching award.