Ronniy Joseph
Strategy | Science | Storytelling

Leadership Experience

2021 Jun – **Senior Analyst Strategy & Integration** *Canberra, Australia*
2020 Oct **Australian Federal Government/Institute of Health & Welfare**
- Led consultation sessions with agency executives to roadmap the future of health data access in Australia
- Co-managed a cloud developer team while meeting ambiguous stakeholder requirements and tight deadlines
- Accelerated efforts to integrate national data collections on people with a disability through data science
- Advised business units across the agency on applications of machine learning to increase data product quality

2016 Jan – **Programme Manager & Advisor** *Leiden, The Netherlands*
2015 Sep **Leiden University**
- Managed the teaching of 20+ units of the undergraduate course Computer Science & Economics
- Mentored 60+ students during their undergraduate studies
- Led the implementation of mobile phone compatible access system to improve course schedules and flexibility

Scientific Experience

Present – **Research Scientist Astrophysics** *Montreal, Canada*
2021 Sept **McGill Space Institute/McGill University**
- Led a group of engineers on a remote expedition to the Sub-Antarctic to deploy autonomous research stations
- Co-manage the collaborative development of a python/SQL analysis pipeline through GitHub
- Develop new techniques to improve data quality from novel telescopes observing distant corners of the Universe
- Won 1 of 3 $150k fellowship grants out of 200+ applicants

2020 Jun – **PhD Researcher Astrophysics** *Perth, Australia*
2016 Oct **Curtin University**
- Managed 3 projects that modelled risks to the success of radio telescopes searching for the first stars in the Universe
- Created a work experience internship for school students and mentored 30+ students through the programme
- Presented risk mitigation strategies at 4 global conferences with 250-500 attendees, and 2 first-author publications
- Collaborated in a global team with 40+ members on 9 side projects contributing to 10 co-authored publications
- Awarded $125k in research and travel funding

Community Engagement

2021 **General Volunteer – The Food Co-op Shop & Café**
Supported a community-run circular economy and sustainable initiatives through product research and general store operations

Personal Info

E-mail
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Social
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Education

2020 Curtin University
Perth, Australia
PhD *Astrophysics*

2015 Leiden University
Leiden, The Netherlands
MSc *Astronomy*

2013 Uppsala University
Uppsala, Sweden
BSc Exchange Program

2013 University of Groningen
Groningen, The Netherlands
BSc *Astronomy*

Skills

Project Leadership
1 University Department, 3 Science and 2 Government projects

Communication
Science Journals, Internal Reports, (Virtual) Presentations

Mentoring
Peers, Students, Junior Staff

Programming & Visualisation
Python, R, SAS, Tableau, SQL, PowerPoint, Excel, Visio

Languages
Fluent: English, Dutch
Intermediate: French

Personal Interests

Snorkelling, hiking, pottery, and dancing