

Ronniy Joseph

Strategy | Science | Storytelling

Passionate about driving positive change in our world, thriving on getting things done. Leveraging my curiosity for people, technology, and data to enable projects that aim to make the world a bit better every day.

Leadership Experience

Present – Programme Manager PNT & SSA *Delft, The Netherlands*
2025 Aug S[&]T Netherlands B.V.

- Lead the transition from resilient Positioning, Navigation and Timing (PNT) projects to commercial products
- Manage the development and deployment of passive RF-sensors for Space Situational Awareness (SSA)
- Drive valorisation of early-stage R&D from Dutch knowledge institutes into industrial prototypes
- Contribute to a 5-year growth strategy for our Defence [&] Security domain with a radio frequency product strategy
- Coordinate a growing multi-disciplinary team of 10+ systems, RF-, hardware and software engineers
- Align industry and government stakeholders to deliver PNT and SSA capabilities

2025 Jun – Project Manager CHIME/FRB Telescope *Montreal, Canada*
2023 Mar Trottier Space Institute at McGill University

- Managed the final phase of the \$12M+ construction for the CHIME radio telescope network across North-America
- Planned the 5-year operating strategy on a \$7M+ multi-grant government funded operating budget
- Coordinate resources across a diverse team of 100+ international scientists, software developers, and students
- Co-develop a 5-year science strategy that maximizes science outcomes, and sets the project up for new funding
- Lead strategy meetings and workshops to develop a science strategy and bring an international team together
- Awarded and completed 1 of 5 fully funded mini-MBA's through McGill's Science Executive Leadership Fund

2021 Jun – Senior Analyst Strategy & Integration *Canberra, Australia*
2020 Oct Australian Federal Government/Institute of Health & Welfare

- Led workshops with agency executives across 35+ business units to shape the future of national health data analytics
- Re-designed the data management strategy to increase the management efficiency of federal government data by 30%
- Advised units across the agency on the use of machine learning leading to a novel report on dementia detection
- Translated client requirements into a design for research platforms in the cloud achieving a 90% satisfaction rating
- Co-managed a cloud developer team and delivered a secure computing platform for 50+ nationwide researchers

Personal Info

Contact

[linkedin.com/ronniyjoseph](https://www.linkedin.com/in/ronniyjoseph)

Education

 **2023 McGill University**
Montreal, Canada
Executive Development Course
Mini-MBA

 **2020 Curtin University**
Perth, Australia
PhD Astrophysics

 **2015 Leiden University**
Leiden, The Netherlands
MSc Astronomy

 **2013 Uppsala University**
Uppsala, Sweden
Erasmus Exchange

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

Analytics Experience

- 2023 Mar – Research Scientist AstrophysicsMontreal, Canada
- 2021 SeptTrottier Space Institute at McGill University
- Led 2 radio instrument deployment expeditions on a challenging and remote island in the Sub-Antarctic Ocean
 - Oversaw the modernisation of python/SQL tools through object-oriented and continuous integration practices
 - Developed new techniques to improve data quality from novel telescopes that create deep images of the Universe
 - Won 1 of 3 \$150k fellowship grants out of 200+ applicants

- 2020 Jun – PhD Researcher AstrophysicsPerth, Australia
- 2016 OctCurtin University
- Led 3 projects that modelled risks to the success of radio telescopes searching for the first stars in the Universe
 - Developed open-source simulations in Python to predict the impact of telescope failures on observational data
 - Established a mathematical model to support our statistical understanding of simulated data for various risk scenarios
 - 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

Communication Experience

- 2024 – Co-Host & Volunteer CoordinatorMontreal, Canada
- 2023Astronomy on Tap MTL
- Hosted, and coordinated the volunteers for monthly public astronomy events in an informal pub setting across Montreal
- 2019 – Science CommunicatorPerth, Australia
- 2017International Centre for Radio Astronomy
- Bringing astronomy to the general public by visiting remote schools in Australia, and a residency at the Uluru resort.
- 2016 – Programme Manager & AdvisorLeiden, The Netherlands
- 2015Leiden University
- Mentored 60+ students with personal challenges and coordinated the delivery of 20+ undergraduate course units
- 2016 – Assistant Teacher PhysicsLeiden, The Netherlands
- 2014SSL Leiden
- Trained 450+ high school students preparing for their final exams while consistently scoring above 90% satisfaction

Skills & Experience

Tools & Programming

- Python/R/SAS/C
- Excel
- Tableau

Data Analysis

- Statistical Modelling
- Regression Analysis
- Image Processing
- Machine Learning

Communication

- 20+ Scientific Publications
- 10+ Internal Reports
- 5+ Proposals/White Papers
- 35+ Presentations

Mentoring

- Peers
- Junior students
- Junior staff

Languages

- English (fluent)
- Dutch (mother tongue)
- French (intermediate)

Interests

Running, Figure Skating, Snorkelling, Contemporary Dance, and to explore the world