

Data Scientist

OPPORTUNITY

Ainira Industries is currently seeking applicants for a Data Scientist to join our growing team in Melbourne, Australia.

JOB DESCRIPTION

The Data Scientist is responsible for large-scale point cloud analytics to characterise and model our autonomous driving system. An ideal candidate has extensive experience with analog and digital electronics, optical modelling, statistics, and computer vision, as well as substantial experience with software engineering or embedded systems development.

RESPONSIBILITIES

- Statistical modelling of a 3D system from the photon level to the point cloud level.
- Experiment design and data collection; create, edit, and maintain necessary documentation.
- Perform equipment calibration and maintenance monitoring.
- Work closely with core software team to design and implement the proper software tooling for experimentation.
- Understand and model potential data artefacts, design correction algorithms.
- Work with firmware/SDK teams to deliver clean and consistent data.
- Write detailed work instructions including assembly, test, material inspection and validation procedures.

SKILLS and ABILITIES

- MSc in Computer Science, Statistics, Physics, or Optics; alternatively, BSc with equivalent experience.
- PhD preferred, as well as experience with 3D active sensing systems.
- 10+ years' experience with sensor data analysis, and statistical modelling.
- 5+ years' experience with optical modelling, computer vision or 3D point cloud processing.
- Experience dealing with datasets of the TB size or larger
- Proficiency with Python, C++
- Experience with software for numerical analysis, e.g. numpy/scipy, Matlab, Mathematica, etc.
- Helpful experience with ROS (robot operating system)
- Ability to collaborate in a team environment, and works well under pressure in a dynamic fast-paced environment.

- Must be able to accurately communicate ideas, always operate on a professional level, and provide solutions to challenging issues.

COMPENSATION

The Company offers a competitive compensation and benefits package.

APPLY

Click "Apply" below or use form in the Contact section – quote the reference number HR-SFT-0048. Only the shortlisted candidates will be contacted. Thank you for your interest.