

# Software Engineer

## OPPORTUNITY

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

## JOB DESCRIPTION

We are looking for a highly motivated software engineer specialising in software development and optimising complex algorithms to run safely in real time. This position requires an individual who can analyse and enhance efficiency, stability, and scale ability of system resources.

You will need strong software engineering skills, excellent interpersonal communication, and experience accepting and giving meaningful feedback on technical designs.

## RESPONSIBILITIES

- This role will work closely with research scientists and hardware engineers to own development of our prototype software system, to include communication with our autonomous driving system and processing on the resulting data stream
- Responsible for the architecture, profiling, and deployment of complex software processing pipeline
- Design, develop, code, test and debug system software
- Integrate and validate new product designs
- Support software QA and optimise I/O performance
- Provide post production support
- Interface with hardware design and development
- Write detailed work instructions including assembly, test, material inspection and validation procedures

## SKILLS and ABILITIES

- BSc degree in Computer Science or Engineering
- 7+ years' of experience with software development in production
- 4+ years' of experience in working with C, C++, and CUDA
- Interfacing with networking communication protocols
- High standards for code quality, maintainability, and performance
- Familiarity with software configuration management tools, defect tracking tools, and peer review
- Excellent knowledge of low-level coding techniques, IP protocols, interfaces and hardware subsystems

- Adequate knowledge of reading schematics and data sheets for components
- Strong documentation and technical writing skills
- 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-0050. Only the shortlisted candidates will be contacted. Thank you for your interest.