



## SOFTWARE ENGINEERING TEAM LEADER

### DUTY STATEMENT

As a member of the development team at Seeing Machines you will be:

- Writing C++ and Python code.
- Working with Product Managers to define the scope of development iterations.
- Coordinating the tasks of a small group of expert C++ developers and reviewing their work.
- Working with the core-technology team to integrate algorithms into Seeing Machines end-user products.
- Working with the hardware engineering team to integrate product software onto new hardware platforms.
- Enhancing quality assurance by developing automated product testing software.
- Contributing to improve processes and methods that enhance development productivity.

If you are an experienced C++ developer and enjoy the challenge of managing a small team to develop world-class software then this role is for you.

Candidates must have prior team leadership experience and have applied agile methodology throughout a product development cycle. They must also be highly organized, demonstrate an ability to express technical concepts clearly and calmly, and be of a nature that promotes team cohesion. A sense of humour is also a must.

Applicants must be able to live and work in Canberra, Australia.

Applicants of exceptional quality from outside Australia may be considered.

### SELECTION CRITERIA

#### *Qualifications/Knowledge*

1.	Tertiary computer science, engineering degree or equivalent experience, with good marks in linear algebra and statistics.	ESSENTIAL
2.	Good oral and written English communication skills.	ESSENTIAL

#### *Skills/Experience*

1.	3+ years experience as leader of a team developing a software product where the primary language was C++.	ESSENTIAL
2.	5+ years experience developing with C++.	ESSENTIAL
3.	Experience writing code that utilizes the C++ STL and Boost libraries.	ESSENTIAL

4.	Experience developing under Visual Studio on Windows	ESSENTIAL
5.	Experience developing in Linux or OSX	DESIRABLE
6.	1+ years Python and C#	HIGHLY DESIRABLE
7.	Knowledge and experience with multithreaded / multi-process programming techniques and pitfalls.	ESSENTIAL
8.	Testing experience – automatic unit testing in C++	ESSENTIAL

### ***Personal Attributes***

1.	Ability to effectively manage a team and respond cooperatively to the requirements of other company members	ESSENTIAL
2.	Ability to champion ideas and achieve consensus within a team	ESSENTIAL
3.	Ability to set priorities and meet deadlines	ESSENTIAL
4.	Strong drive to apply software engineering principles, and pragmatically improve software quality within a dynamic development environment	ESSENTIAL
5.	Ability and desire to continuously learn new skills	ESSENTIAL

### **APPLICATION PROCEDURE**

Assessment will be against the selection criteria, and applications should be framed accordingly.

Submit written applications, including a CV, any links to earlier work, and some sample C++ source code, preferably by email to [recruit@seeingmachines.com](mailto:recruit@seeingmachines.com).

### **COMPANY INFORMATION**

Seeing Machines Ltd. builds machines that see. In particular the company specializes in computer vision algorithms that are able to track faces with high fidelity in real-world environments (outside the office).

We are looking to hire people as the company grows to help us take advantage of the enormous commercial opportunities. We are looking for motivated individuals to join a dynamic and friendly environment, working with the latest camera and processing technology. We offer competitive remuneration and conditions. The company headquarters are located in 11 Lonsdale St. Braddon Canberra, less than a minute walk from the heart of the CBD and right next to the best coffee in the city.

The company was formed in July 2000. Currently there are approximately 36 staff are employed in Australia and the US.