

# HGV4 - Docker AI Panel

**Industry Partner:** Ben Sand

**Location of Partner:** Online/Remote

**URL for Partner:** NA

**Contact Person:**

Name: Ben Sand

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Phone:

**General field/discipline:** DevOps, Web Development, AI

**Specific requirements/Skills:**

This project is for students who want a serious industry experience. They will need to be self-motivated and goal focused, with a strong understanding of Python and Linux, and an interest in web development.

Skills in Web Development (Full-Stack) using the latest industry standard tools (e.g. React and Node) are needed to administer Docker Containers.

**Project Outline:**

This project is to build a web application that allows users to administer high performance GPU workstations.

AI research and development are the fastest and biggest growth areas in the technology field. We are building the next big AI data processing technologies locally in Australia.

This project is focused on DevOps, in which students will be developing a client management portal to monitor tasks on remote GPU workstations that support AI development from its users.

Students will be developing a dashboard for clients to manage their AI deployments. This dashboard must be able to manage, deploy and run Docker Containers; allow users to run applications inside these containers; and report on each container's status. Students will also construct deep neural networks to test that the final system works reliably.

This project will be guided by a full-time project manager to maximise their potential.

Students will work alongside the industry partner and be able to gain valuable industry knowledge. For the strongest programmers, real job opportunities may be available. Clients have more than 10 years of Capstone Project experience working with Sydney University.

**Teams:** 2+

**Resources:**

[Docker Tutorial](#)