

HGV5 - Cloud AI API

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 Web Technologies and Linux.

Skills in Networking, Web Development, Web Technologies, Python, TensorFlow, Jupyter Notebooks.

Project Outline:

Build the Backend for Cloud GPU infrastructure - what would it be like if everyone could access the power of Tesla's Dojo (60 million CUDA cores and 480,000 GB of RAM) without knowing any system administration at all - just build a neural network and run it.

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.

We are partnering with a company building a Machine Learning (ML) platform for developers. This company provides a single platform for modern machine learning and AI, known for its simple and effective user interface.

The goal of this project is to build a REST API (or similar) to run these services using a GPU virtual workstation product we are developing. 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:

[Paperspace](#)