HGV4 – Choose Your Own DL Challenge

Project Number:
Maximum number of groups or individuals can accept: 8
Industry Partner: Ben Sand and High-Growth Ventures (HGV)
Location of Partner: Online/Remote
URL for Partner: NA
Contact Person:

Name: Ben Sand
Email: ben@bensand.com

Project Title: Choose Your Own Deep Learning Challenge

Project Description and Outline:

This project is for highly motivated students who have a specific deep learning problem that they want to work on, whether for your academic interest or even as the basis of new start-up that you may wish to form.

Tesla is building Dojo - the 5th largest supercomputer in the world. We're building one too. You will have access to HGV's high power virtual workstation cluster and $1M in GPU based hardware with 500,000+ CUDA cores targeted to your problem.

Perhaps you would like to work with radiology data, satellite data for agriculture or commercial intelligence. Maybe you're interested in refining neural networks or implementing some papers you've seen from ICCV, CVPR or another other leading conference.

HGV team members can assist you to develop this project, give you access to High Performance Computing (HPC) resources, and help you access leading industry and academic mentors.

We will work with you to scope the challenge to the needs of the University, our resources and your interest area.

Please contact us ahead of choosing this project to share your idea so we can ensure we can support.

A strong outcome will provide you:

- the potential for summer, part time or full-time work
- an excellent piece of portfolio in one of the most valuable AI areas
- critical skills to advance your academic and industry career

HGV has a 10 year history with project at Sydney University. You will work directly with HGV founder Ben Sand. Ben has supported 600 roles for engineers in Australia and USA, and more than 100 founders of technology companies to earn over $350M in funding and sales.

Expected outcomes / deliverables:

The goal of this project is to build a working prototype of a deep neural network.

Students will have the freedom to direct this project in a direction that best suits their experience and interests, whilst being guided by a full-time project manager to maximise their potential.

Participation in this project requires an intellectual property agreement which establishes your rights for academic and research purposes and assigns commercialisation rights.

Specific requirements/Skills:

Skills and experience in Deep Learning technologies such as TensorFlow would be helpful.

General field/discipline: AI, Deep Learning

Resources:
Udacity Course: Intro to TensorFlow for Deep Learning