HPC User Presentation

James Jackson, Horde Labs

HPC Wales User Group Meeting

Wednesday 22nd October 2014

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James Jackson

- 2nd Year Computer Science

  Background in Web Development

- Student Lead - Horde Labs

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Professional Perspectives

- ✓ Professionalism Module - Delivered by Chris Headleand

  Research and Report Assignment
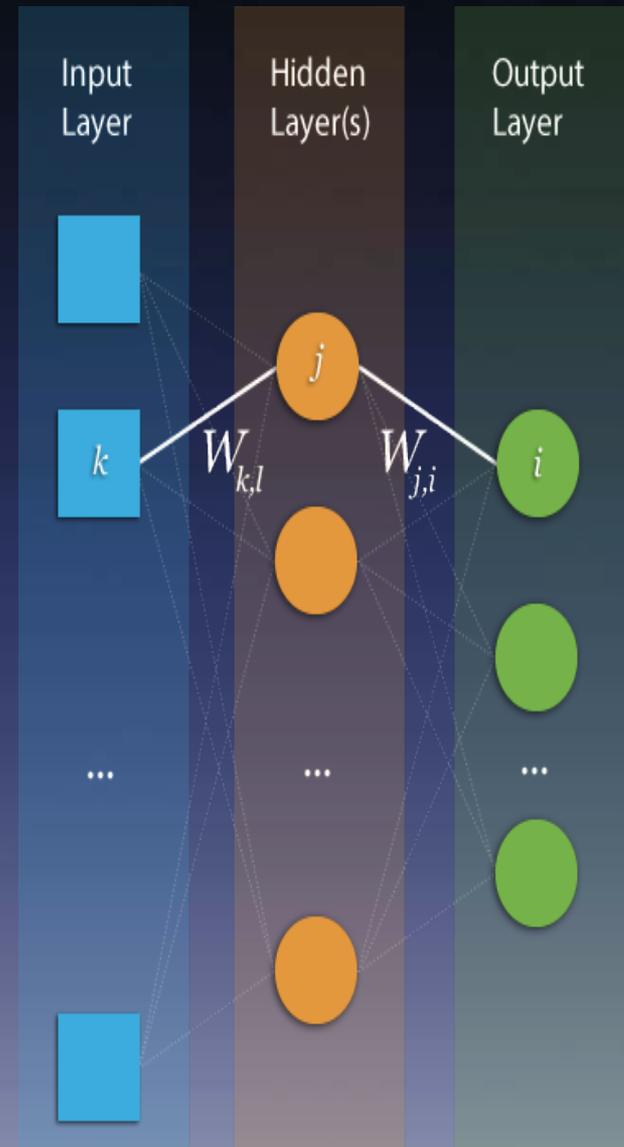
- ✓ Presentation

- ✓

RES

High Speed Prediction System.

Predicting potential outcomes of changes in ecosystems.

Allow companies and organisations to adhere to legislations and make informed decisions.

Input Layer

Hidden Layer(s)

Output Layer

j

k

$W_{k,l}$

$W_{j,i}$

i

...

...

...

HPC Wales

Introduction

Training - MPI, Unix Shell

Bursaries

Project Mercury

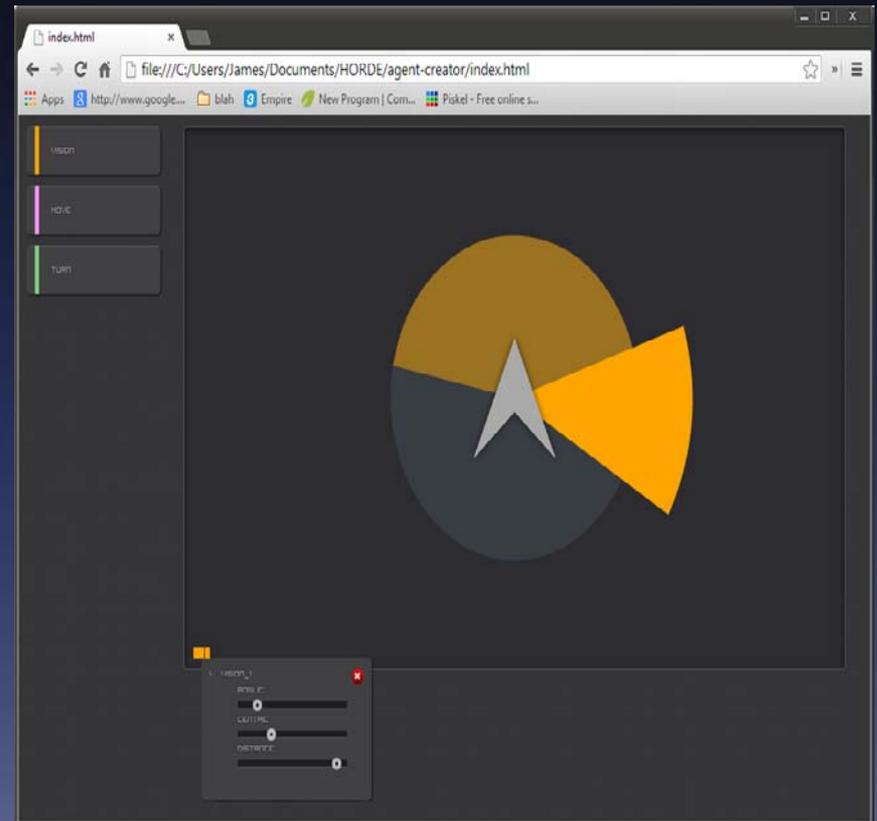- Visual Agent/ Environment Editor

- Interpreter

- Python (MPI) simulation software

- Data visualisation module

Where Now?

✓ Valuable experience in HPC computing and programming

Continued effort on project mercury

✓ Possibility of Dissertation, Postgraduate projects in the form of additional modules for Mercury.

✓

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Thank You

Any Questions?

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