

Henry Liu Pan

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Education

University of New South Wales, Australia - Bachelor of Computer Science/ Commerce

February 2017 - December 2020

- 3.0 Cumulative GPA
- UNSW Business Soc & CSE Soc member

Georgia Institute of Technology, United States - Student Exchange Program

January 2019 - May 2019

- Studying Design & Analysis of Algorithms, Intro to Artificial Intelligence, Consumer Behaviour, Intro to Cognitive Science

Projects

Healthy Boys

- Led a team of four in UNSW Hackathon to develop a website that assists both doctors and patients in booking appointments
- Created the back-end Health Care System with Object Oriented Programming using Python and Flask
- Developed the front-end website, improving user experience using HTML, CSS, Materialize and Bootstrap
- Followed an Agile Software Development Approach, constructing Epic Stories, Use-case diagrams and Entity Relationship Models

Sydney Sideways

- Designed and implemented a database system using Oracle SQL for crewmembers of airlines to efficiently access information
- Constructed Entity Relationship Models (and relational database model) to aid in implementing database
- Revised and normalised models to create a database with efficient storage and preventing information silos

Game AI

- Created a Starcraft 2 AI Bot from a set API that sometimes beats Hard AI using simple logic
- Used numpy and Opencv to visualise the map of the game as it runs
- Created neural network with Keras and Tensorflow, feeding recorded training data into network, improving win rate by 10% with evolutionary algorithm

Work Experience

ARC Computers – Assistant Technician

October 2018 - December 2018

- Analysed and fixed technical faults with customer appliances and assembled custom PCs on order
- Managed stock through MYOB system, contacting and researching distributors for new computer parts in the market

Liquorland – Sales Assistant

June 2018 – December 2018

- Positively interacted with customers at point-of-sale and in operations – assisting with queries and returns
- Multi-tasked in a high-pressure environment, between unloading stock, restocking, customer service and using the register
- Analysed weekly revenues, gross profits to see rate of growth using Surefire POS system

Leadership

The UNSW Tea & Coffee Society – Volunteers Director

June 2018 – November 2018

- Communicated with companies to collaborate and create an event, led the logistics and organisation of a high tea outing for the society at QVB tea room, a successful event with over 100 guests
- Coordinated and organised weekly gatherings for a society with over 500 members

The Computer Science Engineering Society – Subcommittee

June 2018 – November 2018

- Ran events and meetings, communicating with team members and guest speakers
- Prepared, planned and proposed ideas for weekly activities with other subcommittee members

Technical Skillset

C, Java program development, Web development (HTML5, Python, Flask, Bootstrap), Scripting (Python, UNIX Bash), Managing Data (SQL), Version control (Git)