

Alan Yeung

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"Impossible problems are made up of possible pieces."

Education

Colorado College

B.A. IN COMPUTER SCIENCE AND ECONOMICS, OVERALL GPA: 3.9, MAJOR GPA (FOR BOTH): 4.0

Awards: Deans List (Freshman & Sophomore year), Euclid Scholarship, Buick Achievers Scholarship, Douglas County Scholarship, American Chemical Society Award, and National AP Scholar

Colorado Springs, CO

May 2012 - PRESENT

Projects

Othello Bot

<https://github.com/yeungalan0/Othello>

PROGRAMMED THE ALPHA-BETA PRUNING ALGORITHM FOR A BOT THAT WON THE CLASS COMPETITION.

Mar. 2015

- I made an Othello Bot for a class project that uses alpha beta pruning and heuristics to play Othello strategically
- The bot, won the class competition and is undefeated so far when played against other online bots (Java)

Minecraft AI

https://github.com/tpbarron/minecraft_dqn_interface

DEVELOPED AND TRAINED AN AI AGENT TO PERFORM INTELLIGENT ACTIONS IN A MINECRAFT LIKE ENVIRONMENT (WITH EXCELLENT HELP)

Current

- Interfaced an existing Minecraft game environment with a neural network developed by Google DeepMind
- Trained the agent to perform several tasks in the 3D environment and analyzed learning
- Worked on developing a better algorithm through Transfer Learning (Python, Caffe, Torch, Lua, C++)

Skills:

Computer Skills

Java (P), Python (P), Perl (P), CGI (P), Sharepoint (P), LaTeX (P), Jekyll (P), GitHub (P), HTML5 (PE), XML (PE),

Operating Systems

Intel Assembly (PE), MySQL (PE), Redis (PE), MongoDB (PE), *P = Proficient & PE = Prior Experience

Natural Languages

Linux (P), Mac OSX (P), Windows (P)

Proficient Mandarin and Cantonese speaking skills

Experience

Lockheed Martin

SYSTEMS ADMINISTRATOR ASSOCIATE

Littleton, CO

July 2016 - Present

- Performed Linux and Unix system administration tasks
 - Script programming, debugging, automation
 - Ansible system configuration and management tool
 - System design and documentation
 - Software application installation and updates
 - Support daily incident management system
- Performed system diagnostics and troubleshooted issues

Lockheed Martin

COLLEGE STUDENT TECH INTERN SPECIALIST

Littleton, CO

May 2014 - Aug. 2014, May 2015 - July

2016

- Performed Windows and Unix system administration tasks
 - Script programming, debugging, automation
 - RPM package creation
 - System configuration and documentation
 - Software application installation and updates
 - Support daily incident management system
- Applied and maintained required security patches
- Performed system diagnostics and troubleshooted issues

Colorado College

QUANTITATIVE REASONING CENTER TUTOR

Colorado Springs, CO

Apr. 2014 - Present

- Tutored students on a variety of Computer Science and Economic topics
- Developed and used different learning techniques to help students succeed
- Took on various roles as an individual tutor, Learning Assistant, and drop in tutor

Extracurricular Activity

Colorado College Coding Club (C4)

Colorado Springs, CO

Sep. 2014 - Present

CO-FOUNDER AND CO-CHAIR

- Co-founded and organized C4
- Oversaw the development and vision of the organization
- Planned and organized events to bond and gain industry understanding
- Facilitated Colorado College coders with a forum to organize and work together on various projects

Asian Student Union

TREASURER (2012-2013)/MEMBER

- Actively participated in discussions on the club's direction and current events
- Managed organization funds and allocation of over \$4,000 yearly
- Organized events and budgeted costs
- Coordinated and actively participated in fundraising endeavors
- Applied for grants and all other additional funding required

Colorado Springs, CO

Dec. 2012 - Present