

Alan Yeung

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"Impossible problems are made up of possible pieces."

Education

Colorado College

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

Colorado Springs, CO

May 2012 - PRESENT

Awards/Honors: Distinction in Economics, Deans List (all years), Euclid Scholarship, Buick Achievers Scholarship, Douglas County Scholarship, American Chemical Society Award, and National AP Scholar

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++)
- Published paper at IJCAI Deep Reinforcement Learning workshop based on our research

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

Littleton, CO

SYSTEMS ADMINISTRATOR ASSOCIATE (PREVIOUSLY COLLEGE STUDENT TECH INTERN SPECIALIST 2014-2016)

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

Colorado College

Colorado Springs, CO

QUANTITATIVE REASONING CENTER TUTOR

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

Colorado College

Colorado Springs, CO

RESIDENT ADVISOR

Jan. 2014 - May 2015

- Managed a hall of up to 34 people
- Understood, communicated, and enforced existing Department of Residential Life policies and procedures
- Budgeted and allocated money used for residence hall/floor events
- Led student centered hall programs to promote socializing, diversity, health, understanding, and growth
- Promoted the interaction and construction of social networks between community and residents

Extracurricular Activity

Colorado College Coding Club (C4)

Colorado Springs, CO

CO-FOUNDER AND CO-CHAIR

Sep. 2014 - Present

- 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

Colorado Springs, CO

TREASURER (2012-2013)/MEMBER

Dec. 2012 - Present

- 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