Alan **Yeung**

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"Impossible problems are made up of possible pieces."

Education

Colorado College *Colorado Springs, CO*
B.A. IN COMPUTER SCIENCE AND ECONOMICS, OVERALL GPA: 3.9, MAJOR GPA (FOR BOTH): 4.0 *May 2012 - PRESENT*
Awards: Deans List (Freshman & Sophomore year), 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 PRUNNING 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),
Intel Assembly (PE), MySQL (PE), Redis (PE), MongoDB (PE), *P = Proficient & PE = Prior Experience
Operating Systems Linux (P), Mac OSX (P), Windows (P)
Natural Languages Proficient Mandarin and Cantonese speaking skills

Experience

Lockheed Martin *Littleton, CO*
COLLEGE STUDENT TECH INTERN SPECIALIST *May 2014 - Aug. 2014, May 2015 - Present*
- 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 *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 themselves and work together on various projects

Asian Student Union *Colorado Springs, CO*
TREASURER *Dec. 2012 - Dec. 2013*
- 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