Alan **Yeung**

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"Intellectuals solve problems, geniuses prevent them." - Albert Einstein

Education

Colorado College   *Colorado Springs, CO*

B.A. in Computer Science and Economics Summa Cum Laude, Overall GPA: 3.9, Major GPA (for both): 4.0   *May 2012 - May 2016*

Awards/Honors: Distinction in Economics, Deans List (all years), Kenneth J. and Elizabeth Hare Curran Award in Economics, 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*

- Made a bot for a class project using object oriented programming, 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 (project used 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   *2015-2016*

- 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
- Published paper at IJCAI Deep Reinforcement Learning workshop based on our research (project used Python, Caffe, Torch, Lua, C++)

Skills:

Technical Tools   Java (P), Python (P), Perl (P), Microsoft Office Suite (P), Ansible (P), CGI (P), LaTeX (P), GitHub (P), PHP (PE) Web services (PE), MySQL/Relational databases (PE), XML (PE), YAML (PE), JSON (PE), Lua (PE), HTML5 (PE), Intel Assembly (PE), Redis (PE), MongoDB (PE), ***P = Proficient & PE = Prior Experience**

Operating Systems   Linux (P), Mac OSX (P), Windows (P), Unix (Solaris, AIX, HPUX, IRIX) (PE)

Experiences

Lockheed Martin   *Littleton, CO*

Systems Administrator Associate (Previously College Student Tech Intern Specialist 2015-2016)   *July 2016 - Present*

- Performed Linux/Unix system administration tasks including but not limited to the following:
  - Worked with DevOps team to stand up Cloud services/infrastructure in on prem Openstack/Openshift environment
  - Developed infrastructure and system automation tools, increasing efficiency in cases by 24x
  - Programmed scripts, debugged code, utilized creative problem solving methods
  - Developed our Ansible (system configuration and management tool) code repository
  - Designed and documented parts of our infrastructure (such as Mediawiki and 2FA)
  - Installed, configured, and patched software applications
  - Supported daily incident management system, responding quickly and efficiently to customer needs/problems

Colorado College   *Colorado Springs, CO*

Quantitative Reasoning Center Tutor   *Apr. 2014 - May 2016*

- 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 Adviser   *Jan. 2014 - May 2015*

- Managed a hall of 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 Activities

Asian American and Pacific Islander Emerging Leaders Program   *Denver, CO*

Emerging leader   *Oct. 2017 - Present*

- Developed our vision and purpose to guide our leadership/goals
- Challenged each other to grow out of our comfort zones with group/individual challenges
- Discussed critical leadership topics, such as trust building, active listening, and EQ
- Conducted strength testing and analysis

Colorado College Coding Club (C4)   *Colorado Springs, CO*

Co-founder and Co-chair   *Sep. 2014 - May 2016*

- 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