ALAN YAO
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Academic Record

2012-Present **University of California, Berkeley**
Electrical Engineering and Computer Science. GPA 3.89

CS CLASSES	CS61A (Intro), CS61B (Data Structures), CS61C (Computer Architecture), CS70 (Discrete Math & Probability)
	CS170 (Algorithms), CS184 (Graphics), CS161 (Security), CS188 (AI), CS194 (Computational Photography), CS162 (OS)
OTHER	EE20 (Signals & Systems), EE40 (Circuits), Math 113 (Abstract Algebra), EE126 (Probability and Random Processes)

Work Experience

2014   SOFTWARE DEVELOPMENT INTERN. Full stack development, wrote Solr search backend.
Crunchyroll

2014   GSI for CS61BL. Taught lab and wrote autograders.
UC Berkeley

2014   READER for CS170 (algorithms). Graded homeworks and provided feedback.
UC Berkeley

2013   Reader for CS61B (data structures). Graded and debugged student projects.
UC Berkeley

Projects

SCHOOL RELATED	Pacman AI - Uses game-tree search to play network against other AI or players. Hadoop Mapreduce on EC2 - Computing word co-occurence on USENET data Processor Design - Designed a working, basic MIPS processor in Logisim. Raytracer - Distributed raytracing on obj file inputs. Inverse Kinematics Solver - Uses the inverse jacobian method to generate movement.
PERSONAL	Various auto-grading Python and Bash scripts. HKN website - Front end and back end development and refactor. HKN servers - Sysadmin work.

Things I'm Good At

LANGUAGES: Python, Ruby/Rails, PHP, Bash, Java, C#, C++, C, MATLAB, MIPS

SOFTWARE: Standard unix (httpd, sed, git, etc), Photoshop, LaTeX, OpenGL, StarCraft 2

ACTUAL LANGUAGES   Chinese, English, some Japanese

Other Involvement

2013-2014   **ETA KAPPA NU**, COMPSERV OFFICER

2012-2013   ESPORTS AT BERKELEY, *President and Competitive Coordinator*

2013-Present   CROSSROADS CHRISTIAN FELLOWSHIP, Council Member