

ALAN YAO
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Academic Record

2012-Present University of California, Berkeley

Electrical Engineering and Computer Science. GPA 3.85

CS CLASSES CS61A (Intro), CS61B (Data Structures), CS61C (Computer Architecture), CS70 (Discrete Math & Probability)
CS170 (Algorithms), CS184 (Graphics), CS161 (Security), CS188 (AI)

OTHER EE20 (Signals & Systems), EE40 (Circuits), Math 113 (Abstract Algebra)

2008-2012 WESTVIEW HIGH SCHOOL
Portland, OR

Work Experience

- 2014 SOFTWARE DEVELOPMENT INTERN. Work on web livestream platform.
Crunchyroll
- 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
- 2010 Intern at CRITFC. Worked to automate data collection, parsing, and entry systems.
Columbia River Inter-tribal Fish Association, Portland, OR

Projects

- SCHOOL RELATED Scheme Interpreter - Standard interpreter, written in Python.
Network AI - Uses game-tree search to play network against other AI or players.
Hadoop Mapreduce on EC2 - Computing word co-occurrence on USENET data.
Image Convolution - parallelizing & optimizing using SSE intrinsics. Achieved 80x speedup.
Processor Design - Designed a working, basic MIPS processor in Logisim.
- PERSONAL Various auto-grading Python and Bash scripts.
HKN website - Front end and back end development and refactor; port from Rails 3 to Rails 4.
HKN servers - Sysadmin work on mailing list and LDAP.

Things I'm Good At

- LANGUAGES: Python, Ruby/Rails, Java, C#, C++, C, MATLAB, MIPS
- SOFTWARE: Unix/Bash, Git, Photoshop, Windows, L^AT_EX, OpenGL, StarCraft 2
- ACTUAL LANGUAGES Chinese, English, some Japanese

Other Involvement

- 2012-2013 ESPORTS AT BERKELEY, President and Competitive Coordinator
- 2013 ETA KAPPA NU, COMPSERV OFFICER

