Peter Gao

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Education	**University of California Berkeley**	August 2011 - May 2015 (expected)
	B.S. Electrical Engineering and Computer Science (EECS)	

The Harker School   2007 - 2011
Student, speaker, speechwriter, musician, engineer, troublemaker.

Experience

Software Engineering Intern at Khan Academy   May 2014 - August 2014
Interned on the Data Science team, doing Big Data on Small Children. Did a mix of development and analytics work. Among other things, I built a user simulator, which predicted user progression on Khan Academy based on certain models of their behaviour. Also worked with psychometric machine-learning models and cool side projects that you should ask me about!

Software Engineering Pintern at Pinterest   May 2013 - August 2013
Coined the term "Pintern." Worked on the Black Ops team, fighting spam, porn, and security issues with machine learning. I built a service from scratch to classify millions of webpages as malicious or non-malicious. Worked with Vowpal Wabbit, Thrift, and a mostly Python-based stack.

CS 61A Lab Assistant   January 2013 - May 2013
I helped teach new computer science students.

Software Engineering Intern at RewardMe   May 2012 - July 2012
Designed and programmed an A/B testing framework for customer marketing campaigns and internal testing. Implemented a bulk-emailing service and payments/invoicing service to automate a lot of work that was previously done manually. Worked on the full stack from backend (JBoss, Memcache, Stripe, SES, and MySQL) to frontend (HTML5, CSS3, Javascript, JQuery).

Executive President of Harker Robotics Team 1072   August 2007 - May 2011
Competed in high school engineering competition involving student-built 120 lb robot. Led overall design, collaborated with local mentors and machinists, managed logistics, recruiting, and retention for 100-person team, placed as quarterfinalists in UC Davis regional for the first time in three years. Expanded team from 40 active members to 100+ active members, started a community outreach and volunteering program.

Bioinformatics Intern at Hunter Laboratories   June 2010 - August 2010
Used statistical and probabilistic analysis to analyse the accuracy of a novel RNA based test in predicting the onset of carcinogenic HPV infections.

Projects   Visit www.gaoism.com/projects.html or github.com/pgao

Extracurriculars

Hackers@Berkeley Officer   Oct 2011 - present
I go to hackathons, eat free food, and teach practical software/hardware technologies to people interested in learning vital stuff that school doesn't cover.

Eta Kappa Nu (HKN)   January 2012 - present
Member of EECS honour society. Students invited to join must be in the top 25% of all EECS students with junior standing. I was part of the Tutoring committee for a bit.

Skills
Python, Java, C, HTML5/CSS3/Javascript, Machine Learning and Artificial Intelligence
Unix, SQL, git, Arduino, node.js, Django, JQuery, LaTeX, Mandarin, Spanish
Manual and CNC machining, Electrical Engineering, Robot Design
Ability to pick up new languages, frameworks, and skills on the go

Awards   The Leadership Award, UC Berkeley   2013 and 2014