

Education	University of California Berkeley 2011 - 2015 (expected) B.S. Electrical Engineering and Computer Science (EECS) <i>Coursework:</i> Structure and Interpretation of Computer Programs, Data Structures, Machine Structures, Discrete Mathematics and Probability theory, Artificial Intelligence, Structure and Interpretation of Systems and Signals, Microelectronic Circuits
	The Harker School 2007 - 2011 Student, speaker, speechwriter, musician, engineer, troublemaker.
Experience	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).
	Research Intern at Carnegie Mellon University June 2011 - August 2011 Developed considerate systems and artificial intelligence for a PhD. project exploring how manipulation of speech can enhance the understandability of multi-party conversations. Extensively used C++, CLAM, git, and Unix while dabbling in Ruby on Rails and Android development. Also learned methods for signal analysis and signal manipulation.
	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 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 January 2012 - present Joined 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++, Mathematica, Autodesk Inventor, Django, HTML5/CSS3/Javascript JQuery, SQL, git, JBoss, Arduino, node.js, \LaTeX Mandarin, Spanish, manual and CNC machining, electrical engineering, robot design Picking up new languages, frameworks, and skills on the go
Awards	AngelHack Summer 2012 Finalist National Engineering Design Challenge Semifinalist BAE Industrial Design Award, CalGames 2011, FIRST Robotics 3rd place: Barracuda Networks Rack-O Algorithmic Competition 2nd place at Synopsys Science Fair