

Daylen Yang

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<i>Education</i>	University of California, Berkeley <i>B.S. in Electrical Engineering and Computer Science</i> GPA 3.80, Major GPA 3.95 Relevant coursework: <ul style="list-style-type: none">• Artificial Intelligence (A)• Machine Learning (A+)• Graduate Computer Vision (A)• Graduate Deep Neural Networks (A)	August 2013 – May 2017
<i>Research</i>	Computer Vision Researcher <i>Berkeley Artificial Intelligence Research Laboratory</i> <ul style="list-style-type: none">• Co-author of a visual question answering system that won the VQA real-image challenges by a significant margin• Presented and demoed our work at the VQA workshop at the 2016 Computer Vision and Pattern Recognition (CVPR) conference• See the demo/paper/code: demo.berkeleyvision.org	February 2016 – August 2016
<i>Papers</i>	Akira Fukui*, Dong Huk Park*, Daylen Yang* , Anna Rohrbach*, Trevor Darrell, and Marcus Rohrbach. 2016. “Multimodal Compact Bilinear Pooling for Visual Question Answering and Visual Grounding.” <i>In Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP 2016)</i> . (arXiv) * indicates equal contribution Brian Chu, Daylen Yang , Ravi Tadinada. 2016. “Visualizing Residual Networks.” <i>Term Paper for Graduate Computer Vision</i> . (arXiv)	
<i>Work</i>	Software Engineering Intern <i>Facebook, Inc.</i> <ul style="list-style-type: none">• Trained and deployed machine learning models to predict engagement and prefetch content in News Feed• Increased the relevance of News Feed stories with feature engineering Software Engineering Intern <i>Yelp, Inc.</i> <ul style="list-style-type: none">• Built and shipped a brand-new search suggest experience in the Yelp iPhone app• Developed a natural language processing instant search web app Software Engineering Intern <i>Workday, Inc.</i> <ul style="list-style-type: none">• Built and shipped an animation framework for Workday’s new desktop web experience	May 2015 – August 2015 May 2014 – August 2014 June – Aug. 2012, June – Aug. 2013
<i>Talks</i>	“ How do modern chess engines work? ” (Video) <i>Invited Talk at Big Techday 8</i>	June 2015
<i>Teaching</i>	Head Teaching Assistant <i>Introduction to Machine Learning</i> Teaching Assistant <i>Introduction to Machine Learning</i> Teaching Assistant <i>Introduction to Artificial Intelligence</i> Teaching Assistant <i>Introduction to Machine Learning</i>	Spring 2017 Fall 2016 Summer 2016 Spring 2016

	Course Reader <i>Great Ideas in Computer Architecture</i>	Fall 2015
	Course Reader <i>Great Ideas in Computer Architecture</i>	Spring 2015
<i>Involvement</i>	Contributor and Developer <i>Stockfish Chess Engine Project</i> <ul style="list-style-type: none"> Built and currently maintain the stockfishchess.org website, which sees nearly 1 million pageviews per year Developed the Stockfish for Mac app (see <i>Projects</i>) 	2010 – Present
	Officer and Workshop Committee Lead <i>Hackers@Berkeley</i> <ul style="list-style-type: none"> Organized and taught dozens of free workshops introducing students to web design, Git, Swift, and more 	2013 – 2015
<i>Projects</i>	Stockfish for Mac (stockfishchess.org) A powerful chess analysis app for the Mac, with over 50,000 downloads and a 4.5-star rating on the App Store.	
	Go To Bed for iPhone (gotobedapp.com) Reminds you to go to bed, allows you to track the durations of your sleep, and has a personalized sleep leaderboard that compares your sleep average against your friends. Downloaded over 45,000 times and has a 4.5-star rating on the App Store.	
	Chess ID Uses a deep neural network to recognize the chess pieces in photos of physical chess boards. Collected my own training data and built a physical server, backend, and iPhone client for a complete end-to-end solution.	
	Elevate (elevate.daylen.com) An online health and fitness dashboard that aggregates data from Fitbit, Jawbone, and Strava.	
<i>Honors</i>	UC Berkeley Regents' and Chancellors' Scholar	2013 – 2017
	Winner of VQA Real-Image Challenges (Team Award)	2016
	Member, Eta Kappa Nu	Since 2015
	First Place at Cal HackJam	2014
	Most Useful Hack at Yelp Company Hackathon	2014
	Oracle Certified Professional Java 6 Programmer	2011
<i>Interests</i>	Races bikes with Cal Cycling Photographer Dancer in AFX Dance Amateur Traceur (one who does parkour) First-degree black belt in karate	
<i>Skills</i>	Expert in: Python, Objective-C, Caffe, Java, HTML/CSS, LaTeX Familiar with: C, Swift, JavaScript, TensorFlow, Node.js	