ANKIT GUPTA

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EDUCATION

Harvard University, B.A./M.S. in Computer Science — Cambridge, MA

GPA: 3.94/4.0. Magna Cum Laude with Highest Honors. Inducted into Phi Beta Kappa. May 2017

Coursework includes: Deep Learning (CS 287), Machine Learning (CS 181, CS 281), Distributed Comp. (CS 262), Prob. Algorithms (CS 223), Parallel Comp. (CS 205), Data Struct./Alg. (CS 124), Probability (Stat 110), Real Analysis (Math 25)

- Conducted deep learning **thesis research**. Studying transcription factor binding. Published/presented work at ICML.
- Spring 2017 & Spring 2016 Teaching Fellow for CS 181 (Machine Learning) - Taught section, wrote and graded problem sets, and held office hours. Taught four course-wide review sessions per semester.
- Fall 2016 Teaching Fellow for CS 182 (Artificial Intelligence) - Taught section, graded problem sets, and held office hours

Westview High School — Portland, OR

Class of 2013, ACT: 36, GPA: 4.0/4.0, Honors: National Merit Scholar, Intel International Science & Engineering Fair Finalist

TECHNICAL SKILLS

Programming Languages C++, C, Python, Java, Go, Javascript, OCaml, PHP, SQL, HTML, CSS, MATLAB

Tools Mathematica, MATLAB, Vim, Emacs, LaTeX, Git, Microsoft Office Suite, Leap Motion

EXPERIENCE

Vicarious AI — San Francisco Bay Area, CA

Research Engineer (Deep Learning) — July 2017 — Present

- Working as research engineer at 50-person ML/robotics company with $130M+ in funding
- Designing and implementing large-scale deep learning models for visual perception

Harvard University School of Engineering and Applied Sciences — Cambridge, MA

Researcher and Machine Learning Teaching Fellow — Jan 2016 — Present

- Short Paper titled "Dilated Convolutions for Modeling Long-Distance Genomic Dependencies" was accepted to the ICML 2017 Workshop on Computational Biology in Sydney, Australia. Invited to give one of four contributed talks.
- Taught sections, held office hours, and graded problem sets for Harvard's undergraduate machine learning courses
- Led the problem-set team, requiring me to work with 2 other TFs and the course professor to write the course problem sets
- Held 8 course-wide exam review sessions across two semesters with 100+ students in attendance at each

Palantir — New York, NY

Software Engineering Intern — May 2016 — Aug 2016

- Worked as full-stack developer on Palantir's core Spark-based data analysis and visualization product
- Designed back-end for new data transformation prototype product that is used in production across the company
- Engaged closely with team of engineers to actively develop a product used across dozens of high-impact deployments

Google — Mountain View, CA

Software Engineering Intern — May 2015 — August 2015

- Developed back-end software for Google's content ad targeting teams, using internal parallel data processing tools
- Used text clustering machine learning models to diagnose the source of misclassifications of advertisements

ACTIVITIES

Harvard Tech in the World 2015, Harvard Developers for Development — Lima, Peru

Director — May 2014 — Present

- Directed a team of computer scientists abroad during January 2015 to develop tuberculosis control software in Lima, Peru
- Personally found partner organization to work with (Partners in Health) and secured thousands of dollars of funding
- Worked throughout the first semester to prepare for the trip by doing planning and initial software development

Harvard Computer Society (HCS) — Cambridge, MA

Member — Sept 2013 — Present

- Developed UNIX skills while navigating the organization's database systems
- Attended lectures organized through HCS by various companies in order to garner exposure to the technology community

LANGUAGE SKILLS & INTERESTS

Languages Hindi (Native Proficiency), Spanish (Intermediate Proficiency)

Interests Tennis, Technology, Cars, Startups, TED Talks