Christian Yongwhan Lim

Contact Information

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Citizenship Status

Permanent Resident of the United States of America

Education

Massachusetts Institute of Technology *9/2013 − 1/2016*
Ph.D. (started, but did not finish) Operations Research
  Advisor: Asuman Ozdaglar
  2013 Kwanjeong Scholarship recipient, for the entire duration of Ph.D

Stanford University *9/2007 − 1/2013*
M.S. Computer Science (AI Track)
B.S. Honors Computer Science (AI Track) and Mathematics
  Advisors: Fei-Fei Li and Persi Diaconis

Professional Experience

Christian and Grace Consulting LLC *4/2023 −*
Owner (Co-Founder)

Stealth Startup *3/2023 −*
CEO (Co-Founder)

Two Sigma Investments *7/2022 − 2/2023*
Senior Quantitative Software Engineer

Google *10/2016 − 6/2022*
Tech Lead (Google Kick Start Practice Rounds)
Research Software Engineer (Google Research Brain and Machine Learning)
Software Engineer (Google Ads and Core)

Massachusetts Institute of Technology *Fall 2013 − Fall 2015*
Research Assistant (Asuman Ozdaglar: Optimization & Network Game Theory Group)

Microsoft
Software Development Engineer Intern *Summer 2012*

Stanford University *Fall 2009 − Fall 2011*
Research Assistant (Fei-Fei Li: Computer Vision Lab)

Languages

C++

Fluent in English

Native in Korean

Teaching Experience

Fall 2023
    Associate in Computer Science (Columbia)
      Technical Interview Preparation in C++ (COMS 4995-4)
      Competitive Programming (COMS 4995-5)
    (to be confirmed) **Visiting Instructor** (Cornell-Tech)

Spring 2023
    Lecturer (MIT)
    Associate in Computer Science (Columbia)
      Competitive Programming (COMS 4995-8)

Independent Activities Period (IAP) 2023
    Lecturer (MIT)
      Problem Solving Strategies for Technical Interviews

Fall 2022
    Lecturer (MIT)
    Associate in Computer Science (Columbia)
      Technical Interview Preparation in C++ (COMS 4995-7)
      Competitive Programming (COMS 4995-8)
    Visiting Instructor (Cornell-Tech)
      Special Workshop Series in Technical Interview Preparation

Summer 2022
    Lecturer (MIT)
      Developed MITx MicroMasters working with Professors Aleksander Madry and Asuman Ozdaglar.
    Research Mentor (Harvard) Summer Introduction to Mathematical Research (SIMR) Program
      Lectured on network flows
      Mentored undergraduate math majors on quantitative analysis in finance.

Spring 2022
    Associate in Computer Science (Columbia)
      Technical Interview Preparation in C++ (COMS 4995-13)
    Visiting Lecturer (Cornell-Tech) Deep Learning (CS 5787)

Fall 2021
    Lecturer (CSU Sacramento) Introduction to C Programming (CSC 25)
    Lecturer (SJSU) Introduction to the Design and Analysis of Algorithms (CS 155)
    Lecturer (CSU East Bay) Professional Development in Computer Science (CS 497)

Summer 2021
    Lecturer (UC Santa Cruz) Beginning Programming in Python (CSE 20)

Spring 2021
    Lecturer (UC Santa Cruz) Beginning Programming in Python (CSE 20)
    Lecturer (CSU East Bay) Professional Development in Computer Science (CS 497)

Fall 2020
    Guest Lecturer (Harvard) Advanced Practical Data Science (AC 295)
    Guest Lecturer (UC Davis) Software Engineer Early Career Planning (ECS 198)

Fall 2011
    Teaching Assistant (Stanford) Introduction to Computer Vision (CS 231A)

Fall 2008 − Spring 2012
    Grader (Stanford) Department of Mathematics
    Tutor (Stanford) Department of Mathematics

Extended Workshops	**Massachusetts Institute of Technology**	
	MIT Problem Solving (PS) Club	*3/22/2023 −*
	Stanford University	
	Problem Solving Discussion Group	*6/2023 −*
	Spring 2023: Online Technical Interview Bootcamp at Stanford	*4/9/2023 − 6/4/2023*
	Winter 2023: Information Session	*3/9/2023*
	Carnegie Mellon University − Silicon Valley	
	Problem Solving Discussion Group	*6/2023 −*
	Spring 2023	

<table>
<tr><td>Invited Talks</td><td>International Collegiate Programming Contest (ICPC) Training Camp</td><td></td></tr>
<tr><td></td><td>(to be confirmed) National University of Singapore (host: Steven Halim)</td><td><i>8/2024</i></td></tr>
<tr><td></td><td>University of Central Florida (host: Ali Orooji and Arup Guha)</td><td><i>3/21/2023 − 3/25/2023</i></td></tr>
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Special Workshops on Technical Interviews [slide decks]

Stanford University

Winter 2023: Stanford Alumni Association (host: Michelle Badger)	*2/22/2023 & 3/8/2023*
Winter 2023: Stanford Computer Forum (host: Trudy Gonzalez)	*1/19/2023 & 1/26/2023*
Fall 2022: Stanford Computer Forum (host: Trudy Gonzalez)	*10/5/2022 & 10/6/2022*

Carnegie Mellon University Silicon Valley (host: Leigh Mason)

Fall 2022: CMU Career Services	*10/6/2022 & 11/11/2022*
Fall 2021: CMU Career Services	*9/7/2021 & 10/5/2021 & 10/14/2021*
Spring 2021: CMU Career Services	*2/25/2021*
Swarthmore College (host: Joshua Brody)	*4/28/2023*
University of California Los Angeles (host: UCLA ACM)	*4/6/2023 & 4/7/2023*
University of California Berkeley (host: Park Sinchaisri)	*11/21/2022*
University of California San Diego (host: Jingbo Shang)	*10/14/2022 & 10/21/2022*
University of Illinois Urbana Champaign (host: Mattox Beckman)	*4/12/2023 & 4/13/2023*
University of Texas Austin (host: Etienne Vouga)	*4/8/2023 & 4/9/2023*
University of Southern California (host: Computer Science)	*11/18/2022 & 11/19/2022*
Purdue University (host: Ninghui Li)	*3/3/2023 & 3/4/2023*
Harvard University (host: Office of Career Services)	*10/14/2022*

KTH Royal Institute of Technology	*6/12/2023*

(to be confirmed) **University of Tokyo**	*Summer 2024*

National University of Singapore (host: Steven Halim)

Spring 2023: Computer Science	*2/21/2023 & 2/23/2023*
Fall 2022: Computer Sciecne	*9/21/2022 & 9/22/2022*

UNIST (host: Myeongjae Jeon)	*9/28/2022 & 9/29/2022*
Seoul National University (host: Taesup Moon)	*8/24/2022 & 8/25/2022*
KAIST (host: Juho Kim)	*8/17/2022 & 8/18/2022*

Columbia Research Symposium (host: Emerging Scholars Program)	*4/22/2022*
Columbia University Korean Graduate Student Association (KGSA) Career Panel Keynote	*3/31/2023*

Massachusetts Institute of Technology Open Learning	*3/8/2023*
Massachusetts Institute of Technology Digital Learning Lab	*2/8/2023*

Michigan Math and Science Scholars (host: Mark Conger)	*7/7/2022*

ICPC Experience

Site Director
2023 ICPC Greater New York Regional (GNYR) at Columbia University   *10/29/2023*

Staff
2023 ICPC North America Championship (NAC)   *5/25/2023 − 5/30/2023*

North America Leadership
Attend monthly meeting   *6/2023 −*

Judge
2022 ICPC Greater New York Regional (GNYR)   *2/26/2023*
ICPC North America Qualifier (NAQ)   *10/2022 −*
ICPC Mid-Central Regional   *10/2022 −*

Internship Manager   *12/2022 −*
Interns secured full-time positions including Google, Amazon, Point72, Two Sigma, and etc.
ICPC Online Training in Competitive Programming   *1/14/2023 −*
  (Sunday) Weekly Masterclass
  (Sunday) Weekly Intern Project Sync-up
  Weekday Problem Set
  Weekend Practice Contests

Head Coach Columbia ICPC [link]   *2/2022 −*
350+ members (3 world finalists) and growing.
Officially sponsored by Tesla, CertiK, and more!
Weekly ICPC GNYR Practice Contests   *Spring 2023 −*
Weekly ICPC Practice Contests   *Summer 2022 −*
2023 Columbia University Local Contest   *8/2023*
2022 Columbia University Local Contest   *9/25/2022*
Columbia-fortcoders qualified to 2022 ICPC World Finals, to be held in 11/2023   *5/30/2022*
Columbia-fortcoders finished 8th in 2022 NAC   *5/30/2022*
Columbia-fortcoders is invited to 2022 NAC   *3/6/2022*
Columbia-fortcoders is invited to 2022 North America Programming Camp (NAPC)   *3/6/2022*
Columbia-fortcoders won 2021 ICPC North America GNYR   *3/6/2022*
23 Columbia teams were represented in 2022 ICPC NA GNYR   *2/26/2023*
13 Columbia teams were represented in 2021 ICPC NA GNYR   *3/6/2022*

Research Mentoring Experience

Summer 2023
  Tobias Hanl (Columbia: SEAS CS MS '23 [Fall]; co-advised with Professor Zhou Yu)
  Alessandro Barbiellini Amidei (Harvard: Math AB '25 [Spring])
  John Michael Boesen (Harvard: Applied Math + CS AB '25 [Spring])

Spring 2023
  Gabriel Ryan (Columbia: SEAS CS PhD '23; co-advised with Professor Suman Jana)
  Tobias Hanl (Columbia: SEAS CS MS '23 [Fall]; co-advised with Professor Zhou Yu)
  Alessandro Barbiellini Amidei (Harvard: Math AB '25 [Spring])
  John Michael Boesen (Harvard: Applied Math + CS AB '25 [Spring])

Fall 2022
  Alessandro Barbiellini Amidei (Harvard: Math AB '25 [Spring])
  John Michael Boesen (Harvard: Applied Math + CS AB '25 [Spring])
  Samanway Sadhu (Columbia: SEAS CS MS '22 [Fall]; co-advised with Professor Suman Jana)
  Tobias Hanl (Columbia: SEAS CS MS '23 [Fall]; co-advised with Professor Zhou Yu)
  Ziwei Han (Columbia: SEAS CS MS '22 [Fall]; co-advised with Professor Lydia Chilton)

Summer 2022
  Alessandro Barbiellini Amidei (Harvard: Math AB '25 [Spring])
  Iris Lang (Harvard: Statistics + CS AB '25 [Spring])
  Will Hahn (Harvard: AB '25 [Spring])
  Jarell Cheong Tze Wen (Harvard: Math AB '25 [Spring])
  AnaMaria Perez (Harvard: Math AB '24 [Spring])
  Mayesha Soshi (Harvard: Applied Math AB '24 [Spring])
  Andrew Van Camp (Harvard: Applied Math AB '23 [Spring])

Industry Mentoring Experience

edX/2U (Demo Day Mentor)	*3/29/2023*
Two Sigma (2022 NewTS Senior Mentor)	*10/2022 − 2/2023*
Software Engineer Intern Co-Host (Google)	*Summer 2018*

Q3 2023 (17+ Students)
  Stanford (4): Conner; Parth; Suhas; Susan;
  MIT (2): Nelson; Nina;
  CMU (2): Lin; Yinzhu;
  KAIST: Yeji
  Cornell-Tech: Adrian
  Columbia (7): Akash; Angela; David; Samanway; Sian; Suro; Yin;

Q2 2023 (24 Students)
  Adrian Surani (Cornell-Tech)
  Akash Nayar (Columbia)
  Angela Mu (Columbia)
  Christopher J Yoon (Columbia)
  Conner Takehana (Stanford)
  David Zhu Chang (Columbia)
  Dylan Lim (Stanford)
  Fernando Macchiavello Cauvi (Columbia)
  Hanming Yang (Columbia)
  Jaidev Shah (Columbia)
  Lin Xi (CMU)
  Nelson Wang (MIT)
  Nina Gerszberg (MIT)
  Parth Nilesh Dodhia (Stanford)
  Samanway Sadhu (Columbia)
  Shirley Xinyue Gui (Columbia)

Sian Lee Kitt (Columbia)
Suhas Chundi (Stanford)
Suro Lee (Columbia)
Venkat Ramamoorthi (Columbia)
Yeji Han (KAIST)
Yi Lu (Columbia)
Yin Zhou (Columbia)
Yinzhu Su (CMU)

Q1 2023 (32 Students)
Adrian-Petru Surani (Cornell-Tech)
Akash Nayar (Columbia)
Angel David Sanchez Ocotlan (Columbia)
Angela Mu (Columbia)
Brendan Gubbins (Columbia)
Chi Lee (Columbia)
Christopher Jaehyun Yoon (Columbia)
Hanming Yang (Columbia)
Jiaqing Chen (Columbia)
Jinze Wu (Columbia)
Lance D Wong (Columbia)
Mattias Wei Hao Weaser (Columbia)
Mauricio Gonnzalez (Columbia)
Maxwell Alan Lu (Columbia)
Pamela (Pingyue) Pan (Cornell-Tech)
Pavan Kalyan Damalapati (Columbia)
Qingquan (Megan) Wang (USC)
Rong Bai (Columbia)
Roshun Sunder (Columbia)
Samanway Sadhu (Columbia)
Sameer Saxena (Columbia)
Shihao Wang (Columbia)
Shirley (Xinyue) Gui (Columbia)
Sian Lee Kitt (Columbia)
Suro Lee (Columbia)
Weichen Li (Columbia)
Xingyu Lan (Columbia)
Yang Su (Cornell-Tech)
Yeji Han (KAIST)
Yin Zhou (Columbia)
Yuanhan Tian (Columbia)
Zhen Lei (Columbia)

Fall 2022 (24 Students)
Adrian-Petru Surani (Cornell-Tech: CS MS '23 [Spring]; TBD)
Chiamaka Chukwuka (Columbia: SEAS CS BS '23 [Spring]; Full-time at Google)
Christopher Yoon (Columbia: CC CS BA '24 [Spring]; 2023 Internship at Virtu)
Elijah Journey Fullerton (Columbia: CC IS BA '24 [Spring]; TBD)
Ethan Zachary Turok (Columbia: SEAS CS BS '23 [Spring]; TBD)
Eumin Hong (Columbia: CC CS BA '23 [Spring]; Full-time at The Voleon Group)
Gaurav Sinha (Columbia: SEAS CS MS '22 [Fall]; TBD)
Gilead Turok (Columbia: CC CS + Applied Math (double) BA '23 [Spring]; TBD)
Guoxin Yin (Columbia: SEAS CS MS '22 [Fall]; TBD)
Hanfang Luo (Columbia: CC CS BA '24 [Spring]; 2023 Internship at Amazon)

JaeEun Lee (Cornell-Tech: CS MEng '23 [Spring]; Full-time at Veeva Systems)
Jiaqing Chen (Columbia: SEAS CS MS '22 [Fall]; Full-time at Goldman Sachs)
Mauricio Gonzalez (Columbia: CC CS BA '23 [Fall]; TBD)
Nilaksh Agarwal (Columbia: SEAS CS MS '22 [Fall]; TBD)
Pingyue (Pamela) Pan (Cornell-Tech: Information Systems MS '24 [Spring]; TBD)
Rong Bai (Columbia: SEAS CS MS '22 [Fall]; Full-time at U.S. Bank)
Shihao Wang (Columbia: SEAS CS MS '22 [Fall]; Full-time at Amazon)
Subin Yun (Cornell-Tech: Information Systems MS '24 [Spring]; TBD)
Suro Lee (Columbia: SEAS CS MS '23 [Fall]; TBD)
Venkat Ramamoorthi (Columbia: GS CS BA '23 [Spring]; TBD)
Wenqing Zhong (Columbia: SEAS CS BS '22 + MS '23 [Spring]; TBD)
Xiaoyu Liu (Columbia: SEAS EE MS '22 [Fall]; Full-time at Veeva Systems)
Yin Zhou (Columbia: SEAS Applied Math PhD '25 [Spring]; TBD)
Ziwei Han (Columbia: SEAS CS MS '22 [Fall]; Fulltime at IXL Learning)

Spring 2022 (13 Students)
Anais Lawson (Columbia: SEAS CS BS '23 [Spring]; 2023 Internship at Microsoft)
Andreas Cheng (Columbia: GS CS BA '22 [Spring]; Full-time at IXL Learning)
Andrew Sirenko (Columbia: SEAS CS BS '23 [Spring]; Full-time at Amazon)
Benjamin Snyder (Columbia: SEAS CS BS '22 [Spring]; Full-time at Google)
Danrui Yu (Columbia: SEAS CS MS '22 [Spring]; Full-time at Google)
Ian Dorian Macleod (Columbia: SEAS CS BS '23 + MS '23 [Spring]; Full-time at Scale AI)
Olivia Zhang (Columbia: SEAS CS BS '22 [Spring]; Full-time at Goldman Sachs)
Sri Hari Thikkireddy (Columbia: SEAS CS MS '22 [Spring]; Full-time at Google)
Tim Kao (Columbia: SEAS CS MS '22 [Spring]; Full-time at Google)
Xijiao Li (Columbia: SEAS CS BS '21 + MS '22 [Spring]; Full-time at Google)
Yuqi Zhang (Columbia: SEAS CS BS '22 [Spring]; Full-time at TikTok)
Zhen Lei (Columbia: SEAS CS MS '22 [Spring]; Full-time at Amazon)
Zhihao Jiang (Columbia: SEAS CS MS '22 [Spring]; Full-time at Amazon)

Résumé Critiques
250+ résumés

45-Minute Mock Interviews
150+ sessions

Community	*4/2019 −*
Emma Nieh	*10/2022 −*
Bolim Lee (University of London; CS BSc '25; TBD)	*3/2022 −*
Soyeon Wang (San Jose State University CS BS '21; Full-time at Amazon)	*4/2019 − 12/2020*

Columbia University Commencement Marshall	*5/2023*
Beyond the Farm: Stanford Alumni Day of Service	*5/6/2023*
Programming bootcamp, open to anyone in the Greater New York community.	
Two Sigma × ICPC NAC (8 Competitors)	*2/2023*
Member (Two Sigma: ACE Working Group: Design Questions)	*11/2022 − 2/2023*
Co-Instructor (Two Sigma: Competitive Programming)	*10/2022 − 1/2023*
Instructor (Two Sigma: Competitive Programming)	*2/2023*
Presenter (Two Sigma: Work in Progress)	*10/20/2022*
Program Committee	*8/2022 −*
ACM SIG CS Education (CSE) Technical Symposium 2023: Panels;	
ACM ITiCSE 2023: Full Papers; Posters;	
Judge	
Columbia Data Science Society (CDSS) Hackathon	*2/11/2023*

ACM SIGCSE Technical Symposium 2023: Student Research Competition

Discord Channel Owner   *3/2022 −*
  Programming Zealots: 973 members and growing!
    Includes all members from 2023 ICPC NAC-NAPC participants who elected to join!
  ICPC GNYR: 101 members and growing!
  Columbia Problem Solving Warriors: 434 members and growing!
  Columbia ICPC Training Warriors: 350 members and growing!
  Columbia Hedge Funds Warriors: 347 members and growing!
  MIT IAP Problem Solving Strategies: 151 members and growing!
  Cornell Tech Interview Prep Workshop: 97 members and growing!
  Stanford Online Technical Interview Bootcamp: 97 members and growing!
  CMU Technical Interview Workshop: 35 members and growing!

Stanford CS LINXS Summer Research Program Mentor   *7/2023 −*

Stanford Alumni Mentoring (SAM) Mentor   *1/2023 −*
  Volunteered to be a SAM mentor: 30+ students so far!

Stanford University Outreach Volunteer Alumni Link (OVAL) Interviewer   *1/2022 −*
  Volunteered to conduct alumni interviews in NY, NJ, and MA chapters.
    2023: 46+ (3 admitted!)
    2022: 26+

Tech Lead (Google Kick Start Practice Rounds)   *10/2020 − 11/2021*
  Selected problems to use in the practice round.
  Set up contest dashboards for participants to use.
  Mentored engineering volunteers in order to guide them to complete their tasks.
  Appeared on videos to go over the solutions to problems and introduce the program.

Software Engineer Interviewer (Google)   *2017 − 2022*
  Volunteered to conduct 55+ interviews at Google.

Software Engineer Instructor (New Community Baptist Church)   *4/2019 − 12/2020*
  Taught C++, algorithms, and computer science mathematics ground-up, 4 hours every Saturday.
  Created course syllabus outlining the entire contents of the course.
  Created slides weekly following the syllabus and presented them to students.
  Assigned homework weekly and discussed its solutions the following week.
  Discussed problem solving strategies: data structure, graph, math, string, and geometry.

Competitive Programming Group Founder (Google)   *11/2017 − 1/2021*
  Created an internal group in Google for those who want to excel in programming contests.
  Met twice each weekday, two hours each: 8am and 5pm.

Google Code Jam Monitor (Google)   *2018 − 2022*
  Google Code Jam is an annual programming contest to recruit software engineers at Google.
  Monitored to answer questions contestants asked during the live contest.

Leadership Experience **Organizing Committee**   *2/2023 −*
  ACM SIGCSE Technical Symposium 2024-2025 (Publicity and Social Media)

Technical Committee (MIT Digital Learning Lab)   *10/2022 − 6/2023*

Co-lead w/ Rachel Krohn (ICPC: New Coach Document Committee)   *10/2022 −*
Co-lead w/ Etienne Vouga (ICPC: Curriculum Committee)   *7/2022 −*

East-Coast President (Kwanjeong Scholarship)   *Academic Year (AY) 2013*

Social Chair/Webmaster (Stanford) Symphony Orchestra   *AY 2010 & 2011*
Vice-President (Stanford) Mathematics Organization   *AY 2009*
Webmaster/Historian Director (Stanford) Korean Student Association   *AY 2009*

Reviewer	**NSF Grants**: 2023
	ACM ITiCSE: 2023
	ACM CompEd: 2023
	ACM SIGCSE: 2023; 2024;
	IEEE Transactions on Network Science and Engineering (TNSE)

Scholarships and Awards

2023 ICPC North America − Excellence in Leadership Award

Kwanjeong Scholarship − Received a major scholarship from Korea in 2013.

ACM-ICPC Pacific Northwest Regional Contest − Ranked 7th in 2012, 9th in 2011;
Google Code Jam − Advanced to 2012 Online Round 2 (Top 3000).
Facebook Hacker Cup − Advanced to 2011 Online Final. Won t-shirt in 2015 (Top 500); 2020.
TopCoder Open − Won t-shirt by solving a problem in 2019 Round 3 (Top 400).

Mathematical Contest in Modeling − Won 2009 Meritorious Prize.
Putnam Mathematics Competition − Won 2008 Highbridge Book Awards (Top 65 at Stanford).
Michigan Mathematics Prize Competition − Ranked 2nd (Gold Award) out of 9.3K+ in 2007.

Selected Publications

Operations Research (MIT) Yongwhan Lim, Asuman Ozdaglar, and Alexander Teytelboym.
  "Competitive rumor spread in social networks."
  ACM SIGMETRICS Performance Evaluation Review 44.3 (2017): 7-14.

Operations Research (MIT) Yongwhan Lim, Asuman Ozdaglar, and Alexander Teytelboym.
  "A simple model of cascades in networks."
  Mimeo. 2015.

Computer Vision (Stanford) Li-Jia Li, Hao Su, Yongwhan Lim, and Li Fei-Fei.
  "Object Bank: An Object-Level Image Representation for High-Level Visual Recognition."
  International Journal of Computer Vision (IJCV). 2013.

Computer Vision (Stanford) Li-Jia Li, Hao Su, Yongwhan Lim, and Li Fei-Fei.
  "Objects as Attributes for Scene Classification."
  First International Workshop on Parts and Attributes.
  European Conference on Computer Vision (ECCV). 2010.

Computer Vision (Stanford) Li-Jia Li, Chong Wang, Yongwhan Lim, David Blei and Li Fei-Fei.
  "Building and Using a Semantivisual Image Hierarchy."
  IEEE Computer Vision and Pattern Recognition (CVPR). 2010.

Mathematics (Stanford) Yongwhan Lim.
  "Symmetry Groups of Platonic Solids."
  Mimeo. 2008.

Research Experience

Optimization & **Network Game Theory** (Asuman Ozdaglar, MIT)	*Fall 2013 − Fall 2016*
Markov Chain & **Mixing Time Analysis** (Persi Diaconis, Stanford)	*Winter 2010 − Fall 2012*
Stanford Computer Vision Lab (Fei-Fei Li, Stanford)	*Fall 2009 − Fall 2011*
Analytic Number Theory (Kannan Soundararajan, Stanford)	*Fall 2008 − Summer 2009*