Christian Yongwhan Lim

Contact Information

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Citizenship Status

US Citizen

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)

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)
 Visiting Instructor (Cornell-Tech)
  Special Workshop Series in Technical Interview Preparation

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

Problem Solving Groups	**Massachusetts Institute of Technology**	
	MIT Problem Solving (PS) Club (Weekly)	*3/22/2023 −*
	Stanford University	
	Problem Solving Discussion Group (Weekly)	*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 (Weekly)	*6/2023 −*

Programming Training Camps	**University of Central Florida** (host: Ali Orooji and Arup Guha)	
	Spring 2024	*TBD*
	Spring 2023	*3/21/2023 − 3/25/2023*
	National University of Singapore (host: Steven Halim)	*TBD 2024*

Technical Interview Workshops

Stanford University
Fall 2023

Stanford ICPC (host: Konstantin Miagkov)	*10/11/2023*
Stanford Computer Forum (host: Trudy Gonzalez)	*10/19/2023 & 10/26/2023*
Stanford Institute for Computational and Mathematical Engineering	*10/20/2023*
Stanford Alumni Association (host: Michelle Badger)	*10/11/2023*

Winter 2023

Stanford Alumni Association (host: Michelle Badger)	*2/22/2023 & 3/8/2023*
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 Career Services (host: Leigh Mason)

Fall 2023	*9/15/2023*
Fall 2022	*10/6/2022 & 11/11/2022*
Fall 2021	*9/7/2021 & 10/5/2021 & 10/14/2021*
Spring 2021	*2/25/2021*

Princeton University (host: Pedro Paredes)	*10/25/2023*

New York University (host: Ernest Davis)

Fall 2023	*10/27/2023*
Spring 2023	*4/14/2023*

Swarthmore College (host: Joshua Brody)

Fall 2023	*9/29/2023*
Spring 2023	*4/28/2023*

University of California Los Angeles (host: UCLA ACM)	*4/6/2023 & 4/7/2023*

University of California Berkeley

Fall 2023 (host: Xavier Plourde)	*10/14/2023*
Fall 2022 (host: Park Sinchaisri)	*11/21/2022*

University of California San Diego (host: Jingbo Shang)

Fall 2023	*10/14/2023 & 10/21/2023*
Fall 2022	*10/14/2022 & 10/21/2022*

University of Illinois Urbana Champaign (host: Mattox Beckman)

Fall 2023	*9/22/2023*
Spring 2023	*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)

Fall 2023	*10/18/2023*
Fall 2022	*10/14/2022*

University of Chicago (host: Ziyi Zhang)		*10/21/2023*
Stony Brook University (host: Rezaul Chowdhury)		*9/13/2023 & 9/20/2023*
Georgia Institute of Technology (host: Maxwell Zhang)		*9/13/2023*
University of Waterloo		*10/04/2023*
McGill University		*11/24/2023*
KTH Royal Institute of Technology		*6/12/2023*
University of Tokyo		*TBD 2024*
National University of Singapore Computer Science (host: Steven Halim)		
Spring 2023		*2/21/2023 & 2/23/2023*
Fall 2022		*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*

Invited Talks	**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	
	Invited Workshop	*9/2023 −*
	Greater New York Regional (GNYR)	*10/1/2023*
	North Central North America (NCNA)	*9/2/2023*
	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 − Summer 2023*
	Weekly ICPC Practice Contests	*Summer 2022 − Summer 2023*
	2023 Columbia University Local Contest	*10/15/2023*
	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 (3 students)
Harvard (2): Alessandro; John;
Columbia (1): Tobias;

Spring 2023 (4 students)
Harvard (2): Alessandro; John;
Columbia (2): Gabriel; Tobias;

Fall 2022 (5 students)
Columbia (3): Samanway; Tobias; Ziwei;
Harvard (2): Alessandro; John;

Summer 2022 (7 students)
Harvard (7): AnaMaria; Alessandro; Andrew; Iris; Jarell; Mayesha; Will;

Industry Mentoring Experience

edX/2U (Demo Day Mentor)	*3/29/2023; 9/27/2023*
Two Sigma (2022 NewTS Senior Mentor)	*10/2022 − 2/2023*
Software Engineer Intern Co-Host (Google)	*Summer 2018*

Academic Mentoring Experience

Q4 2023 (40+ Students)
Columbia (30): Akash; Angela; Arusarka; Brendan; Chidi; David; Ethan; Greg; Gregory; Harrison; Innokentiy; Jacklyn; Jennifer; Jonathan; Maitar; Matthew; Nicholas; Patricia; Patrick; Rahul; Ryan; Samanway; Serdar; Shubham; Shreyas; Sian; Suro; Vivek; Yin; Yizhan;
Stanford (3): Conner; Parth; Suhas;
CMU (3): Harris; Lin; Yinzhu;
Cornell-Tech (2): Adrian; James;
MIT (2): Nelson; Nina;

Q3 2023 (15 Students)
Columbia (7): Akash; Angela; David; Samanway; Sian; Suro; Yin;
Stanford (3): Conner; Parth; Suhas;
MIT (2): Nelson; Nina;
CMU (2): Lin; Yinzhu;
Cornell-Tech (1): Adrian

Q2 2023 (24 Students)
Columbia (14): Akash; Angela; Christopher; David; Fernando; Hanming; Jaidev; Samanway; Shirley; Sian; Suro; Venkat; Yi; Yin;
Stanford (4): Conner; Dylan; Parth; Suhas;
MIT (2): Nelson; Nina;
CMU (2): Lin; Yinzhu;
Cornell-Tech (1): Adrian;
KAIST (1): Yeji;

Q1 2023 (32 Students)
Columbia (27): Akash; Angel; Angela; Brendan G; Chi; Christopher; Hanming; Jiaqing; Jinze; Lance; Mattias; Mauricio; Maxwell; Pavan; Rong; Roshun; Samanway; Sameer; Shihao; Shirley; Sian; Suro; Weichen; Xingyu; Yin; Yuanhan; Zhen;

Cornell-Tech (3): Adrian; Pamela; Yang;
USC (1): Qingquan;
KAIST (1): Yeji;

Fall 2022 (24 Students)
Columbia (19): Chiamaka; Christopher; Elijah; Ethan; Eumin; Gaurav; Gilead; Guoxin; Hanfang; Mauricio; Nilaksh; Rong; Shihao; Suro; Venkat; Wenqing; Xiaoyu; Yin; Ziwei;
Cornell-Tech (5): Adrian; JaeEun; Jiaqing; Pamela; Subin;

Spring 2022 (13 Students)
Columbia (13): Anais; Andreas; Andrew; Benjamin; Danrui; Ian; Olivia; Sri; Tim; Xijiao; Yuqi; Zhen; Zhihao;

Résumé Critiques
300+ résumés

45-Minute+ Mock Interviews
200+ sessions

Community	*4/2019 −*
Emma Nieh	*10/2022 − 3/2023*
Bolim Lee (University of London; CS BSc '25; TBD)	*3/2022 − 2/2023*
Soyeon Wang (San Jose State University CS BS '21; Full-time at Amazon)	*4/2019 − 12/2020*

Community Service

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

Fall 2023	*10/8/2023*
Spring 2023	*2/11/2023*

ACM SIGCSE Technical Symposium 2023: Student Research Competition

Discord Channel Owner	*3/2022 −*

Programming Zealots: 1285 members and growing!
Columbia Problem Solving Warriors: 480 members and growing!
Columbia Quant Warriors: 402 members and growing!
Columbia ICPC Training Warriors: 393 members and growing!
ICPC GNYR: 251 members and growing!
Cornell Tech Interview Prep Workshop: 244 members and growing!
MIT IAP Problem Solving Strategies: 150 members and growing!
Stanford Online Technical Interview Bootcamp: 97 members and growing!
CMU Technical Interview Workshop: 45 members and growing!

Stanford CS LINXS Summer Research Program Mentor	*Summer 2023*

Stanford Alumni Mentoring (SAM) Mentor	*1/2023 −*

Volunteered to be a SAM mentor: 43+ 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.

Invited Career Fair	**Representative**
	Cornell-Tech Career Fair *10/7/2023*

Leadership Experience

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

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

Co-lead w/ Kathryn Traxler (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)

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*

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.