

Christian Yongwhan Lim

Contact Information

605 W 42nd St Ph 4S
New York, NY 10036
(650) 353-6748

<https://www.yongwhan.io/>
Citations: 597+
christian@christian-and-grace.com;
yongwhan.lim@columbia.edu;
yongwhan.lim@icpc.global;

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)

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

**Selected
Teaching
Experience**

Spring 2024

Associate in Computer Science (Columbia)
Competitive Programming (COMS 4995-2)

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****Carnegie Mellon University** – Silicon Valley

Problem Solving Discussion Group (Weekly)

6/2023 –

Massachusetts Institute of Technology

MIT Problem Solving (PS) Club (Weekly)

3/22/2023 – 11/2/2023

Stanford University

Problem Solving Discussion Group (Weekly)

6/2023 – 10/2023

Spring 2023: Online Technical Interview Bootcamp at Stanford

4/9/2023 – 6/4/2023

Winter 2023: Information Session

3/9/2023

**Programming
Training Camps****University of Central Florida** (host: Ali Orooji and Arup Guha)

Spring 2024

TBD

Spring 2023

3/21/2023 – 3/25/2023

**Selected
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)

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
University of Calgary	11/10/2023
KTH Royal Institute of Technology	6/12/2023
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	3/31/2023
Keynote	
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	
2024 ICPC Greater New York Regional (GNYR) at Columbia University	TBD/2024
2023 ICPC Greater New York Regional (GNYR) at Columbia University	10/29/2023
Operations	
2023 ICPC North America Championship (NAC)	5/25/2023 – 5/30/2023
North America Leadership	
Attend monthly meeting	6/2023 –
Judge	
ICPC North America Qualifier (NAQ)	10/2022; 9/2023
ICPC Greater New York Regional (GNYR)	2/26/2023; 10/29/2023
ICPC Mid-Central North America Regional	10/2022 –

ICPC North Central North America (NCNA) Regional	10/2023 –
ICPC Southern California (SoCal) Regional	10/2023 –

Internship Manager	12/2022 –
---------------------------	-----------

Interns secured full-time positions including Google, Amazon, Point72, Two Sigma, and etc.

Manage five different projects by the project leads

(Lisa Donahoo) Education Outreach

(Jeff Donahoo) Full-stack/Data Science

(Toni Logar) Web Development

(Fredrik Niemelä) Problem Archive

(Christian Lim) Online Training in Competitive Programming

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 (GNYS)	10/1/2023
----------------------------------	-----------

North Central North America (NCNA)	9/2/2023
------------------------------------	----------

Head Coach Columbia ICPC [link]	2/2022 –
--	----------

390+ members (3 World Finalists and 5 North America Championship qualifiers) and growing.

Officially sponsored by Tesla and CertiK in academic year 2022-2023!

Weekly ICPC GNYS Practice Contests	Spring 2023 –
------------------------------------	---------------

Weekly ICPC Practice Contests	Summer 2022 –
-------------------------------	---------------

2023 Columbia University Local Contest	10/15/2023
--	------------

2022 Columbia University Local Contest	9/25/2022
--	-----------

Columbia-CU later is invited to 2024 NAC	10/29/2023
--	------------

Columbia-CU later is invited to 2024 North America Programming Camp (NAPC)	10/29/2023
--	------------

Columbia-fortcoders qualified to 2022 ICPC World Finals, to be held in TBD/2024	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 NAPC	3/6/2022
---	----------

Columbia-fortcoders won 2021 ICPC North America GNYS	3/6/2022
--	----------

15 Columbia teams were represented in 2023 ICPC NA GNYS	10/29/2023
---	------------

23 Columbia teams were represented in 2022 ICPC NA GNYS	2/26/2023
---	-----------

13 Columbia teams were represented in 2021 ICPC NA GNYS	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
--------------------------------------	------------------

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

Emma Nieh

Bolim Lee (University of London; CS BSc '25; TBD)

Soyeon Wang (San Jose State University CS BS '21; Full-time at Amazon)

4/2019 –

10/2022 – 3/2023

3/2022 – 2/2023

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)	<i>2/2023</i>
Member (Two Sigma: ACE Working Group: Design Questions)	<i>11/2022 – 2/2023</i>
Co-Instructor (Two Sigma: Competitive Programming)	<i>10/2022 – 1/2023</i>
Instructor (Two Sigma: Competitive Programming)	<i>2/2023</i>
Presenter (Two Sigma: Work in Progress)	<i>10/20/2022</i>
Program Committee	<i>8/2022 –</i>
ACM SIG CS Education (CSE) Technical Symposium 2023: Panels;	
ACM ITiCSE 2023: Full Papers; Posters;	
Judge	
Columbia Data Science Society (CDSS) Hackathon	
Fall 2023	<i>10/8/2023</i>
Spring 2023	<i>2/11/2023</i>
ACM SIGCSE Technical Symposium 2023: Student Research Competition	
Discord Channel Owner	<i>3/2022 –</i>
Programming Zealots: 1447 members and growing!	
Columbia Problem Solving Warriors: 491 members and growing!	
Columbia Quant Warriors: 419 members and growing!	
Columbia ICPC Training Warriors: 393 members and growing!	
ICPC GNYR: 262 members and growing!	
Cornell Tech Interview Prep Workshop: 245 members and growing!	
MIT IAP Problem Solving Strategies: 150 members and growing!	
Stanford Online Technical Interview Bootcamp: 93 members and growing!	
CMU Technical Interview Workshop: 42 members and growing!	
Stanford CS LINXS Summer Research Program Mentor	<i>Summer 2023</i>
Stanford Alumni Mentoring (SAM) Mentor	<i>1/2023 –</i>
Volunteered to be a SAM mentor: 43+ students so far!	
Stanford University Outreach Volunteer Alumni Link (OVAL) Interviewer	<i>1/2022 –</i>
Volunteered to conduct alumni interviews in NY, NJ, and MA chapters.	
2023: 46+ (3 admitted!)	
2022: 26+	
Tech Lead (Google Kick Start Practice Rounds)	<i>10/2020 – 11/2021</i>
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)	<i>2017 – 2022</i>
Volunteered to conduct 55+ interviews at Google.	
Software Engineer Instructor (New Community Baptist Church)	<i>4/2019 – 12/2020</i>
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)	<i>11/2017 – 1/2021</i>
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)	<i>2018 – 2022</i>
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 2 nd (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.

**Competitive
Programming
Training**

CodeForces
4180 problems solved (rank: 55th); rated 2129 (rank: 2228th);
Kattis
3465.3 points (rank: 72nd [overall] and 14th [USA]);
acmicpc.net / solved.ac
2040 problems solved (rank: 249th); rated 2511 (rank: 316th);