

## Christian Yongwhan Lim

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### 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)

**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**

**Summer 2024** (to be confirmed)

**Summer High School Academic Program for Engineers [SHAPE]** (Columbia)

Session 1: Competitive Programming: Intro to the Art of Problem Solving

Session 2: Competitive Programming: Beyond the Basics

**Spring 2024**

**Associate in Computer Science** (Columbia)

Competitive Programming (COMS 4995-2)

**Science Honors Program [SHP]** (Columbia)

Introduction to Algorithms

**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**

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

3/28/2024 – 3/31/2024

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 &amp; 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 &amp; 3/8/2023

Stanford Computer Forum (host: Trudy Gonzalez)

1/19/2023 &amp; 1/26/2023

Fall 2022: Stanford Computer Forum (host: Trudy Gonzalez)

10/5/2022 &amp; 10/6/2022

**Carnegie Mellon University** Silicon Valley Career Services (host: Leigh Mason)

Fall 2023

9/15/2023

Fall 2022

10/6/2022 &amp; 11/11/2022

Fall 2021

9/7/2021 &amp; 10/5/2021 &amp; 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
<b>University of California</b> Los Angeles (host: UCLA ACM)	4/6/2023 & 4/7/2023
<b>University of California</b> Berkeley	
Fall 2023 (host: Xavier Plourde)	10/14/2023
Fall 2022 (host: Park Sinchaisri)	11/21/2022
<b>University of California</b> San Diego (host: Jingbo Shang)	
Fall 2023	10/14/2023 & 10/21/2023
Fall 2022	10/14/2022 & 10/21/2022
<b>University of Illinois</b> Urbana Champaign (host: Mattox Beckman)	
Fall 2023	9/22/2023
Spring 2023	4/12/2023 & 4/13/2023
<b>University of Texas</b> Austin (host: Etienne Vouga)	4/8/2023 & 4/9/2023
<b>University of Southern California</b> (host: Computer Science)	11/18/2022 & 11/19/2022
<b>Purdue University</b> (host: Ninghui Li)	3/3/2023 & 3/4/2023
<b>Harvard University</b> (host: Office of Career Services)	
Fall 2023	10/18/2023
Fall 2022	10/14/2022
<b>University of Chicago</b> (host: Ziyi Zhang)	10/21/2023
<b>Stony Brook University</b> (host: Rezaul Chowdhury)	9/13/2023 & 9/20/2023
<b>Georgia Institute of Technology</b> (host: Maxwell Zhang)	9/13/2023
<b>University of Waterloo</b>	10/04/2023
<b>McGill University</b>	11/24/2023
<b>University of Calgary</b>	11/10/2023
<b>KTH Royal Institute of Technology</b>	6/12/2023
<b>National University of Singapore</b> Computer Science (host: Steven Halim)	
Spring 2023	2/21/2023 & 2/23/2023
Fall 2022	9/21/2022 & 9/22/2022
<b>UNIST</b> (host: Myeongjae Jeon)	9/28/2022 & 9/29/2022
<b>Seoul National University</b> (host: Taesup Moon)	8/24/2022 & 8/25/2022
<b>KAIST</b> (host: Juho Kim)	8/17/2022 & 8/18/2022

## Invited Talks

<b>Columbia University</b> Science Honors Program	2/10/2024
Plenary	
<b>Columbia Research Symposium</b> (host: Emerging Scholars Program)	4/22/2022
<b>Columbia University</b> Korean Graduate Student Association (KGSA) Career Panel	3/31/2023
Keynote	
<b>Massachusetts Institute of Technology</b> Open Learning	3/8/2023
<b>Massachusetts Institute of Technology</b> Digital Learning Lab	2/8/2023
<b>Michigan Math and Science Scholars</b> (host: Mark Conger)	7/7/2022

## ICPC Experience

### Site Director

2024 ICPC Greater New York Regional (GNYSR) at Columbia University	<i>TBD/2024</i>
2023 ICPC Greater New York Regional (GNYSR) at Columbia University	<i>10/29/2023</i>

### Operations

2023 ICPC North America Championship (NAC)	<i>5/23/2024 – 5/28/2024</i>
2023 ICPC North America Championship (NAC)	<i>5/25/2023 – 5/30/2023</i>

### North America Leadership

Attend monthly meeting	<i>6/2023 –</i>
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### Judge

ICPC North America Qualifier (NAQ)	<i>10/2022; 9/2023</i>
ICPC Greater New York (GNY) Regional	<i>2/26/2023; 10/29/2023</i>
ICPC Mid-Central North America (MCNA) Regional	<i>10/2022 –</i>
ICPC North Central North America (NCNA) Regional	<i>10/2023 –</i>
ICPC Southern California (SoCal) Regional	<i>10/2023 –</i>

### Internship Manager

Interns secured full-time positions including Google, Amazon, Point72, Two Sigma, and etc.	<i>12/2022 –</i>
Manage five different projects by the project leads	
(Lisa Donahoo ⇒ TBD) Education Outreach	
(Jeff Donahoo ⇒ Tomas Cerny and Pranish Bhagat) 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	<i>1/14/2023 –</i>
(Sunday) Weekly Masterclass	
(Sunday) Weekly Intern Project Sync-up	
Weekday Problem Set	
Weekend Practice Contests	

### Invited Workshop

Greater New York Regional (GNYSR)	<i>9/2023 –</i>
Greater New York Regional (GNYSR)	<i>10/1/2023</i>
North Central North America (NCNA)	<i>9/2/2023</i>

### Head Coach Columbia ICPC

400+ members (3 World Finalists and 5 North America Championship qualifiers) and growing.	<i>2/2022 –</i>
Officially sponsored by Tesla and CertiK in academic year 2022-2023!	
Weekly ICPC GNYR Practice Contests	<i>Spring 2023 –</i>
Weekly ICPC Practice Contests	<i>Summer 2022 –</i>
2023 Columbia University Local Contest	<i>10/15/2023</i>
2022 Columbia University Local Contest	<i>9/25/2022</i>
Columbia-CU later is invited to 2024 NAC	<i>10/29/2023</i>
Columbia-CU later is invited to 2024 North America Programming Camp (NAPC)	<i>10/29/2023</i>
Columbia-fortcoders qualified to 2022 ICPC World Finals, to be held in 4/2024	<i>5/30/2022</i>
Columbia-fortcoders finished 8th in 2022 NAC	<i>5/30/2022</i>
Columbia-fortcoders is invited to 2022 NAC	<i>3/6/2022</i>
Columbia-fortcoders is invited to 2022 NAPC	<i>3/6/2022</i>
Columbia-fortcoders won 2021 ICPC North America GNYR	<i>3/6/2022</i>
15 Columbia teams were represented in 2023 ICPC NA GNYR	<i>10/29/2023</i>
23 Columbia teams were represented in 2022 ICPC NA GNYR	<i>2/26/2023</i>
13 Columbia teams were represented in 2021 ICPC NA GNYR	<i>3/6/2022</i>

**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**

**Q1 2024** (17 Students)  
Columbia (14): Angela; Benjamin; David; Eric; Gabriel; Harrison; Innokentiy; Isabel; Ken; Matthew; Michael; Prabhpreet; Ryan; Serdar;  
Stanford (1): Conner;  
Cornell-Tech (2): Adrian; James;

**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	4/2019 – 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**

<b>Columbia University Commencement Marshall</b>	5/2023
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<b>Beyond the Farm: Stanford Alumni Day of Service</b>	5/6/2023
Programming bootcamp, open to anyone in the Greater New York community.	

<b>Two Sigma × ICPC NAC</b> (8 Competitors)	2/2023
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<b>Member</b> (Two Sigma: ACE Working Group: Design Questions)	11/2022 – 2/2023
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<b>Co-Instructor</b> (Two Sigma: Competitive Programming)	10/2022 – 1/2023
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<b>Instructor</b> (Two Sigma: Competitive Programming)	2/2023
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<b>Presenter</b> (Two Sigma: Work in Progress)	10/20/2022
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<b>Program Committee</b>	8/2022 –
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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	

<b>Discord Channel Owner</b>	3/2022 –
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Programming Zealots: 1489 members and growing!  
 Columbia Problem Solving Warriors: 492 members and growing!  
 Columbia Quant Warriors: 424 members and growing!  
 Columbia ICPC Training Warriors: 400 members and growing!  
 ICPC GNYR: 296 members and growing!  
 Cornell Tech Interview Prep Workshop: 246 members and growing!  
 MIT IAP Problem Solving Strategies: 147 members and growing!  
 Stanford Online Technical Interview Bootcamp: 93 members and growing!  
 CMU Technical Interview Workshop: 42 members and growing!

<b>Stanford CS LINXS Summer Research Program Mentor</b>	Summer 2023
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<b>Stanford Alumni Mentoring (SAM) Mentor</b>	1/2023 –
Volunteered to be a SAM mentor: 43+ students so far!	

<b>Stanford Outreach Volunteer Alumni Link (OVAL) Interviewer</b>	1/2022 – 2/2024
Volunteered to conduct alumni interviews in NY, NJ, and MA chapters.	
2023: 46+ (3 admitted!)	
2022: 26+	

	<b>Tech Lead</b> (Google Kick Start Practice Rounds) <span style="float: right;"><i>10/2020 – 11/2021</i></span> 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.
	<b>Software Engineer Interviewer</b> (Google) <span style="float: right;"><i>2017 – 2022</i></span> Volunteered to conduct 55+ interviews at Google.
	<b>Software Engineer Instructor</b> (New Community Baptist Church) <span style="float: right;"><i>4/2019 – 12/2020</i></span> 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.
	<b>Competitive Programming Group Founder</b> (Google) <span style="float: right;"><i>11/2017 – 1/2021</i></span> 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.
	<b>Google Code Jam Monitor</b> (Google) <span style="float: right;"><i>2018 – 2022</i></span> Google Code Jam is an annual programming contest to recruit software engineers at Google. Monitored to answer questions contestants asked during the live contest.
<b>Invited Career Fair</b>	<b>Representative</b> Cornell-Tech Career Fair <span style="float: right;"><i>10/7/2023</i></span>
<b>Leadership Experience</b>	<b>Organizing Committee</b> ACM SIGCSE Technical Symposium 2024-2025 (Publicity and Social Media) <span style="float: right;"><i>2/2023 –</i></span> <b>Technical Committee</b> (MIT Digital Learning Lab) <span style="float: right;"><i>10/2022 – 6/2023</i></span> <b>Co-lead w/ Kathryn Traxler</b> (ICPC: New Coach Document Committee) <span style="float: right;"><i>10/2022 –</i></span> <b>Co-lead w/ Etienne Vouga</b> (ICPC: Curriculum Committee) <span style="float: right;"><i>7/2022 –</i></span> <b>East-Coast President</b> (Kwanjeong Scholarship) <span style="float: right;"><i>Academic Year (AY) 2013</i></span> <b>Social Chair/Webmaster</b> (Stanford) Symphony Orchestra <span style="float: right;"><i>AY 2010 &amp; 2011</i></span> <b>Vice-President</b> (Stanford) Mathematics Organization <span style="float: right;"><i>AY 2009</i></span> <b>Webmaster/Historian Director</b> (Stanford) Korean Student Association <span style="float: right;"><i>AY 2009</i></span>
<b>Reviewer</b>	<b>NSF Grants:</b> 2023 <b>ACM ITiCSE:</b> 2023; 2024; <b>ACM CompEd:</b> 2023 <b>ACM SIGCSE:</b> 2023; 2024; <b>IEEE Transactions on Network Science and Engineering (TNSE)</b>
<b>Research Experience</b>	<b>Optimization &amp; Network Game Theory</b> (Asuman Ozdaglar, MIT) <span style="float: right;"><i>Fall 2013 – Fall 2016</i></span> <b>Markov Chain &amp; Mixing Time Analysis</b> (Persi Diaconis, Stanford) <span style="float: right;"><i>Winter 2010 – Fall 2012</i></span> <b>Stanford Computer Vision Lab</b> (Fei-Fei Li, Stanford) <span style="float: right;"><i>Fall 2009 – Fall 2011</i></span> <b>Analytic Number Theory</b> (Kannan Soundararajan, Stanford) <span style="float: right;"><i>Fall 2008 – Summer 2009</i></span>



## 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<sup>nd</sup> (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**

**4809** problems solved (rank: 39th/1125981  $\approx$  top .003%)

rated **2129** (rank: 2279th/153968  $\approx$  top 1.48%)

**Kattis**

**3940.2** points (rank: 65nd [Overall] and 12th/32705  $\approx$  top .03% [USA])

**acmicpc.net / solved.ac**

**2088** problems solved (rank: 259th/509912  $\approx$  .05%)

rated **2598** (rank: 246th/144074  $\approx$  .17%)