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 (OR)
   Advisor: Asuman Ozdaglar
   2013 Kwanjeong Scholarship recipient, for the entire duration of Ph.D

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

Languages

C++
English; Korean;

Selected Professional Experience

Fun.xyz   *7/2024 − 9/2024*
Principal Engineer
- Upgraded and maintained a testing infrastructure, to make sure the volume of transactions in production can be adequately handled.

Christian and Grace Consulting LLC   *4/2023 −*
Owner (Co-Founder)
- Coaching, mentoring, and guiding the next generation of competitive programmers.
  - For anyone, career (quant, tech, startup, etc) and/or interview preparation.
  - Especially for college students, ICPC.
  - Especially for high school students, IOI/USACO (national).

Two Sigma Investments   *7/2022 − 2/2023*
Senior Quantitative Software Engineer (Derivative Modeling Engineering)
- Implemented fixed income quantitative strategies and email alert and analytic tools.
- Served as an instructor for a competitive programming course.   *10/2022 − 2/2023*
- Helped to drive multiple Human Resources (HR) initiatives.
  - Two Sigma x ICPC NAC   *2/2023*
  - 2022 NewTS Senior Mentor   *10/2022 − 2/2023*
  - ACE Working Group: Design Questions   *11/2022 − 2/2023*
  - Work in Progress Presentation   *10/20/2022*

Google   *10/2016 − 6/2022*
Research Software Engineer (Machine Learning Research)   *3/2021 − 6/2022*
- Worked on multiple proprietary algorithms that are deployed to the core algorithms in multiple product areas.
- Created internal technical reports on a weekly basis to highlight the results.

Systems Software Engineer (Research) *5/2019 − 9/2020*
- Built a testing framework on both software and hardware specialized in ultrafast machine learning inference.
- Our team was responsible for bringing up a testing infrastructure to systematically test the chip under development.
- Helped in designing and architecting a layout of hardwares within the chip for efficient routing and scheduling.
- Synced weekly to make sure all the cross-functional teams were on-schedule to deliver their deliverables and discussed issues and blockers.

Research Software Engineer (Brain Research) *10/2020 − 11/2021*
Software Engineer (TensorFlow Runtime) *9/2020 − 2/2021*
- Fixed and maintained the low-level C++ implementation.

Tech Lead (Google Kick Start Practice Rounds) *10/2020 − 11/2021*
Software Engineer (Google Ads and Core) *10/2016 − 5/2019*
- Built an internal log analyzer tool to maximize Google engineers' productivity.

Microsoft *Summer 2012*
- Developed a novel machine learning algorithm to detect compromised users.

Scholarships and Awards

Outstanding Mentorship Award − Quatrefoil Medal from ICPC Challenge powered by Huawei
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; 2024 (Top 2000 in Round 2);
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.

Competitive Programming Training

CodeForces − **4958** problems solved (rank: 57th/1315880 ≈ top .004%)
Kattis − **5674.0** points (rank: 39th [Overall] and 8th/34638 ≈ top .02% [USA])
acmicpc.net − **3113** problems solved (rank: 150th/566359 ≈ .03%)
solved.ac − rated **2913** (rank: 47th/174099 ≈ .03%)

Selected Teaching Experience

Columbia University *1/2022 −*
Adjunct Associate Professor of Computer Science *1/2025 −*
- Competitive Programming (Spring 2025)

Associate in Computer Science *1/2022 − 12/2024*
- Advanced Topics in Competitive Programming (Fall 2024)
- Competitive Programming ×5 (Fall 2024; Spring 2024; Fall 2023; Spring 2023; Fall 2022)
- Interview Preparation in C++ ×3 (Fall 2023; Fall 2022; Spring 2022)

Massachusetts Institute of Technology (MIT) *6/2022 − 5/2023*
Lecturer