

# Christian Yongwhan Lim

AI SYSTEMS ARCHITECT | RESEARCHER | TECHNICAL LEADER

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I build systems that must remain reliable under real-world pressure - and the evaluation and feedback loops that make them improve. Fifteen years across Google, Two Sigma, and startups; current work spans production AI, research, Columbia teaching, and ICPC programs.

## PROFESSIONAL EXPERIENCE

### Chief Architect | Probook

2026-present

- Own architecture for production voice agents across speech, orchestration, tools, workflow state, observability, evaluation, and recovery.
- Lead technical decisions from system design through operational readiness; proprietary implementation details remain confidential.

### VP Engineering | Arklex AI

2025

- Directed an open-source task-graph and distributed-agent framework spanning runtime, observability, and delivery; 169 Python modules.

### Senior Quantitative Software Engineer | Two Sigma

2022-2023

- Worked on execution systems for systematic trading strategies.

### Research Software Engineer and Tech Lead | Google

2016-2022

- Shipped applied AI research into products and built large-scale ML research infrastructure.
- Led Google Kick Start as it grew to 110,000+ participants.

## SELECTED TECHNICAL WORK

### Persona reliability measurement

2026

- Reproducible multi-model evaluation for identity, voice, drift, and conversational flow; honest operating limits and calibration guidance.

### Cascade centrality

With Josh Alman | 2026

- ITCS 2027 submission plus structural and network-augmentation work supported by exact computation.

### Contest engineering

2026

- Adversarial validation and release discipline for a 17-problem regional draft and related contests.

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## LEADERSHIP

### ICPC Foundation

*Director of Internships; CLI Symposium Chair; Curriculum Co-Chair*

- 136 completed internships and 14 active as of August 2026; 50+ topic curriculum with 50,000+ downloads.

### Columbia University

*Adjunct, Computer Science | 2022-present*

- Fourteen offerings through Fall 2026 reaching 500+ students; full evaluation record published.
- Coach of two World Finals teams and 2024 North America Championship silver medalists; 100+ mentees.

### Journal of Competitive Learning

*Senior Editor | 2024-present*

- Helped launch the peer-reviewed open-access journal and co-authored curriculum research.

## EDUCATION

MIT - PhD studies, Operations Research (on leave); advisor: Asuman Ozdaglar

Stanford - MS Computer Science; BS Mathematics and Computer Science; advisors: Fei-Fei Li and Persi Diaconis

## SELECTED PUBLICATIONS

Competitive Learning (JCL 2026) | IOI vs. ICPC (JCL 2026) | Programming Contests and Curricula (JCL 2025) | Data Race Prediction (OOPSLA 2024) | Competitive Rumor Spread (2017) | Object Bank (IJCV 2014) | Semantic Visual Image Hierarchy (CVPR 2010)

## HONORS

ICPC Mexico Trainer Recognition (2026) | Outstanding Problem Advisory (2025) | Outstanding Mentorship (2024, 2025) | Coach, 2024 NAC silver medal team | ICPC North America Excellence in Leadership Award (2023)

637+ citations | Full record and source links: yongwhan.io