

Stanford



Christopher Piech

Associate Professor (Teaching) of Computer Science and, by courtesy, in the Graduate School of Education

Bio

ACADEMIC APPOINTMENTS

- Associate Professor (Teaching), Computer Science
- Associate Professor (Teaching) (By courtesy), Graduate School of Education
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)

PROGRAM AFFILIATIONS

- Symbolic Systems Program

Teaching

COURSES

2025-26

- AI for Social Good: CS 21SI (Spr)
- Introduction to Probability for Computer Scientists: CS 109 (Aut)

2024-25

- AI for Social Good: CS 21SI (Spr)
- Introduction to Probability for Computer Scientists: CS 109 (Aut, Win)
- Researching, Presenting and Publishing Work in AI & Education: CS 220, EDUC 481 (Spr)

2023-24

- AI for Social Good: CS 21SI (Spr)
- Introduction to Probability for Computer Scientists: CS 109 (Aut)
- Programming Methodology: CS 106A (Spr)

2022-23

- AI for Social Good: CS 21SI (Spr)
- Introduction to Probability for Computer Scientists: CS 109 (Aut)
- Programming Methodology: CS 106A (Spr)

STANFORD ADVISEES

Huijun Mao

Orals Chair

Lloyd May

Master's Program Advisor

Artur Barbosa Carneiro, Ethan Bogle, Juan Pablo Gonzalez Pacheco, Ashley Hung, Darynne Lee, Hannah Levin, Alberto Mancarella, Ifdita Hasan Orney, Mia Penfold, Summer Royal, Anjali Sreenivas, Komal Vij, Savannah Voth, Tatiana Zhang

Doctoral Dissertation Co-Advisor (AC)

Alan Cheng, Sierra Wang

Doctoral (Program)

Juliette Woodrow

Publications

PUBLICATIONS

- **Detecting the Reasons for Program Decomposition in CS1 and Evaluating Their Impact** *ACM Technical Symposium on Computer Science Education*
Charitsis, C., Piech, C., Mitchell, J. C.
2023: 2023
- **Feedback on Program Development Process for CS1 Students** *ACM Technical Symposium on Computer Science Education*
Charitsis, C., Piech, C., Mitchell, J. C.
2022: 1150
- **TMOSS: Using Intermediate Assignment Work to Understand Excessive Collaboration in Large Classes**
Yan, L., McKeown, N., Sahami, M., Piech, C., *Assoc Comp Machinery*
ASSOC COMPUTING MACHINERY.2018: 110–15
- **BlueBook: A Computerized Replacement for Paper Tests in Computer Science**
Piech, C., Gregg, C., *Assoc Comp Machinery*
ASSOC COMPUTING MACHINERY.2018: 562–67
- **Deep Knowledge Tracing**
Piech, C., Bassen, J., Huang, J., Ganguli, S., Sahami, M., Guibas, L., Sohl-Dickstein, J.
edited by Cortes, C., Lawrence, N. D., Lee, D. D., Sugiyama, M., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2015
- **Modeling How Students Learn to Program** *43rd ACM Technical Symposium on Computer Science Education (SIGCSE 2012)*
Piech, C., Sahami, M., Koller, D., Cooper, S., Blikstein, P.
ASSOC COMPUTING MACHINERY.2011: 153–158