



Christopher Piech

Assistant Professor (Teaching) of Computer Science and, by courtesy, of Education

Bio

ACADEMIC APPOINTMENTS

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

PROGRAM AFFILIATIONS

- Symbolic Systems Program

Teaching

COURSES

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)

2021-22

- AI for Social Good: CS 21SI (Spr)
- Computational Education: OSPCPTWN 88 (Spr)
- Introduction to Probability for Computer Scientists: CS 109 (Aut, Win)
- Problem-solving Lab for CS109: CS 109A (Aut, Win)

2020-21

- Introduction to Probability for Computer Scientists: CS 109 (Win)
- Problem-solving Lab for CS106A: CS 100A (Aut)
- Problem-solving Lab for CS109: CS 109A (Win)
- Programming Methodology: CS 106A (Aut)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Yunsung Kim

Master's Program Advisor

Ethan Bogle, Yishu Chen, Michelle Fu, Emily Hsu, Collin Jung, Miranda Li, Tom Nguyen, Mohamed Osman, Jason Ping, Esteban Rincon, Summer Royal, Gabe Seir, Michael Souliman, Kasen Stephensen, Ivan Villa-Renteria, Jasmine Vonk, Brandon Vu, Patricia Wei, Brian Xu

Doctoral Dissertation Co-Advisor (AC)

Alan Cheng, Julia Markel, Allen Nie, Sierra Wang

Doctoral (Program)

Moussa Doumbouya, Yunsung Kim, Ali Malik, 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., 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