

Stanford



Christopher Piech

Assistant Professor of Computer Science and, by courtesy, of Education

Bio

ACADEMIC APPOINTMENTS

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

PROGRAM AFFILIATIONS

- Symbolic Systems Program

Teaching

COURSES

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)

2019-20

- Computational Education: CS 398 (Aut)
- Problem-solving Lab for CS106A: CS 100A (Spr)
- Programming Methodology: CS 106A (Spr)
- Wellness in Tech: Designing an Intentional Lifestyle in a Tech-Driven World: CS 82SI (Spr)

2018-19

- AI for Social Good: CS 21SI (Spr)
- Introduction to Probability for Computer Scientists: CS 109 (Aut, Spr)
- Problem-solving Lab for CS106A: CS 100A (Win)
- Programming Methodology: CS 106A, ENGR 70A (Win)

2017-18

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

- Programming Methodology: CS 106A, ENGR 70A (Win, Spr)

STANFORD ADVISEES

Akshay Kalose

Doctoral Dissertation Reader (AC)

Charis Charitsis, Dora Demszky, Griffin Dietz

Master's Program Advisor

Kasha Akrami, Gaurab Banerjee, Joshua Chang, David Estrada-Arias, Dunia Hakim, Thomas Jiang, Andy Jin, Peter Maldonado, Nikhil Raghuraman, Will Song, Vrinda Vasavada, Ivan Villa-Renteria, Netta Wang, Emily Wen, Lucy Zhu

Doctoral Dissertation Co-Advisor (AC)

Alan Cheng, Allen Nie

Doctoral (Program)

Mo Tiwari

Publications

PUBLICATIONS

- **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