Zhen Bai
Assistant Professor of Computer Science
Zhen Bai’s research focuses on designing embodied and intelligent interfaces that improve learning and social interaction for people with diverse abilities (e.g., children, autism, deafness) and backgrounds. Bai’s research spans Human-Computer Interaction, Augmented and Virtual Reality, Embodied Conversational Agent, computer supported collaborative learning, and assistive technologies. Her most recent work includes accessible learning technologies for K-12 education and Augmented Reality in supporting face-to-face communication. Bai received the honorable mention best paper award at the IxDC, ISMAR, AIED, and EC-TEL conferences. She is the recipient of a Google Inclusive Research Award (2021) and an NSF CAREER Award (2023). Bai received her PhD from the University of Cambridge and was a postdoctoral fellow at Carnegie Mellon University before joining the University of Rochester.

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Daniel Gildea
Professor of Computer Science
Daniel Gildea’s research investigates various aspects of natural language processing, including machine translation, language understanding, analysis of multimodal data, and the computational complexity of parsing and translation problems. He has authored one book and more than 100 papers, serves as reviewer for numerous publications, has been awarded an NSF CAREER grant, and is the recipient of a Google Faculty Award.

Hangfeng He
Assistant Professor of Computer Science and Data Science
Hangfeng He’s research interests include natural language processing and machine learning, with a focus on geometrization approaches towards understanding deep learning, theoretical formulation of reasoning in natural language, and understanding the structure of data through the lens of evaluation. He obtained his Ph.D. from the University of Pennsylvania prior to joining the University of Rochester.

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Ehsan Hogue
Associate Professor of Computer Science
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Fatemeh Nargesian
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Jiaming Liang
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Jiaming Liang’s primary research goal is to design, analyze and implement fast algorithms for solving a general class of problems in data science. His research interests broadly include topics in optimization and sampling algorithms. He obtained his Ph.D. in Operations Research from Georgia Tech and was a postdoctoral associate at Yale University prior to joining the University of Rochester.

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Kaave Hosseini
Assistant Professor of Computer Science
Kaave Hosseini’s research is in computational complexity, pseudorandomness, and cryptography. His works on the role of randomness in computation and deterministic construction of objects with random-like behavior. He uses pseudorandomness as a tool in combinatorics and algorithm design. Hosseini received his PhD from the University of California, San Diego and was a postdoctoral associate at Carnegie Mellon University before joining the University of Rochester.

Robert A. Jacobs
Professor of Computer Science and of Brain and Cognitive Sciences
Robert Jacobs’s research combines computational modeling and behavioral experiments in order to develop and evaluate theories of human perception and cognition. He uses machine learning and statistical techniques to develop models of optimal performance for natural tasks. He then uses these models to evaluate people’s performance on these same tasks to understand when and why people behave optimally, as well as to understand the “bottlenecks” that often prevent people from behaving optimally. He also uses machine learning techniques to implement theories of human visual and multisensory perception in domains such as object recognition and classification and visual attention and memory. He has authored more than 100 papers, serves as a reviewer for several publications, and has mentored numerous students interested in the interdisciplinary study of machine and human intelligence.

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Jiebo Luo
Professor of Computer Science, Albert Arendt Hopeman Professor of Engineering
Jiebo Luo joined the University of Rochester in 2011 after a prolific 15-year career at Kodak Research. His research spans computer vision, NLP, machine learning, data mining, social media, and digital health. He has authored more than 600 technical papers and more than 90 US Patents. He has served as the general program chair of ACM Multimedia 2010, IEEE CVPR 2012, ACM ICMR 2016, IEEE ICP ’27, ACM Multimedia 2018, and IEEE ICME 2024, as well as on the editorial boards of several IEEE Transactions and other journals. He was the Editor-in-chief of the IEEE Transactions on Multimedia for a three-year term (2020–2022). He is a fellow of NAI, ACM, AAAI, IEEE, SPIE, and IAPR, a winner of the ACM SIGMM Technical Achievement Award (2021), as well as a Member of Academia Europaea.

Michael L. Scott
Professor of Computer Science, Arthur Gould Yates Professor of Engineering
Michael L. Scott’s research addresses systems software and parallel and distributed computing, with a particular focus on synchronization algorithms and concurrent data structures. He is also the author of Programming Language Pragmatics, the leading textbook on programming language design and implementation. He is a fellow of the ACM, IEEE, and AAAA, and a winner of the ACM’s Edsger W. Dijkstra Prize in Distributed Computing. Locally, he has received the University’s Rensselaer and Miller Teaching Awards and the Hajim School’s Lifetime Achievement Award. He spent the 2014–15 academic year as a visiting scientist at Google.

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OTHER FACULTY ACTIVE IN COMPUTER SCIENCE

James Allen
John H. Hessauer Professor Emeritus of Computer Science

Christopher M. Brown
Professor Emeritus of Computer Science

Mujdat Ceitin
Professor of Electrical and Computer Engineering and of Computer Science

Zhiguo Duan
Assistant Professor of Electrical and Computer Engineering and of Computer Science

Sandhya Dwarkadas
Visiting Research Professor of Computer Science

George Ferguson
Professor of Computer Science (Instruction); Co-Director of the Undergraduate Program

Gourab Ghoshal
Professor of Electrical and Computer Engineering

Sandhya Dwarkadas
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Tong (Tony) Geng
Assistant Professor of Electrical and Computer Engineering and Computer Science

Ralf Haefner
Assistant Professor of Brain and Cognitive Sciences and of Computer Science

Wendi B. Heinzelman
Dean of the Hajim School of Engineering & Applied Sciences; Professor of Electrical and Computer Engineering and of Computer Science

Gregory Heyworth
Associate Professor of English

Thomas Howard
Associate Professor of Electrical and Computer Engineering, of Computer Science, and of Biomedical Engineering

Michael Huang
Professor of Electrical and Computer Engineering and of Computer Science

Joseph Laporcaro
Assistant Professor of Digital Media Studies and Computer Science (Instruction)

Henry Kautz
Professor Emeritus of Computer Science

Gonzalo Mateos
Associate Professor of Electrical and Computer Engineering and of Computer Science

Thadeusz Pawlicki
Associate Professor of Computer Science (Instruction)

Monika Polak
Assistant Professor of Computer Science (Instruction)

Adam Purtee
Assistant Professor of Computer Science (Instruction)

Andrew Read-McFarland
Assistant Professor of Computer Science (Instruction)

Adam Schbow
Assistant Professor of Mechanical Engineering, of Physics, and Senior Scientist of the laboratory for Laser Energetics

Joel Seiferas
Professor Emeritus of Computer Science

Gaurav Sharma
Professor of Electrical and Computer Engineering, of Computer Science, of Biostatistics and Computational Biology, and of Oncology

Muthuraman Krishnan Venkitasubramaniam
Visiting Research Associate Professor of Computer Science

Aaron White
Assistant Professor of Linguistics and of Computer Science

Eustrat Zhupa
Assistant Professor of Computer Science (Instruction)

Let us Meet
Email info@cs.rochester.edu or visit our website at cs.rochester.edu/graduate

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