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UCI Donald Bren School of Information & Computer Sciences

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2022

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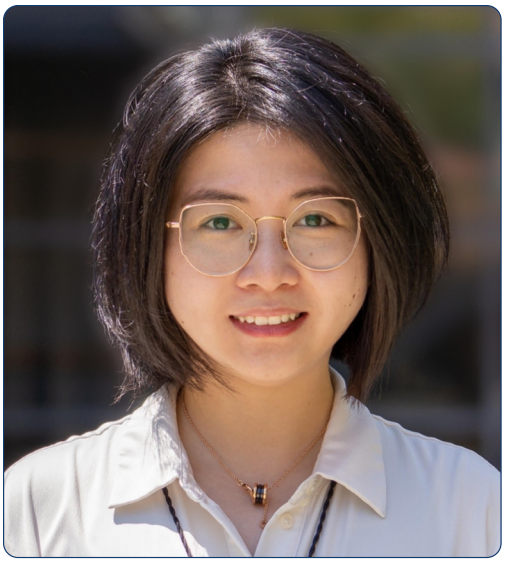

Hengrui Cai

Assistant Professor, Statistics
Ph.D., Statistics, North Carolina State University

Cai has broad research interests in methodology and theory in causal inference, reinforcement learning and graphical models, as she works to establish reliable, powerful and interpretable solutions to real-world problems. Currently, her research focuses on individualized optimal decision-making with complex data; policy evaluation in reinforcement learning and deep learning; and causal discovery for high-dimensional individual mediation analysis. Her work impacts a variety of fields, including precision medicine, customized economics, personalized marketing and modern epidemiology. For example, leveraging cutting-edge techniques in causal inference with reinforcement learning, Cai is working to develop an optimal individualized treatment rule, stored in electronic health records, for patients in intensive care units to ensure they get the right treatment at the right time. Cai has also worked with research teams at both Amazon and Merck. She joined the ICS faculty in July 2022.

Mohammad Moshirpour

Associate Professor of Teaching, Informatics
Ph.D., Software Engineering, University of Calgary

Moshirpour's research interests include software design and development, software requirements engineering, machine learning, and software engineering training and education. He is the recipient of several awards for his work in developing tools and methodologies for software engineering practices and education, including the 2021 D2L Innovation Award in Teaching and Learning. Moshirpour is a senior member of the Institute of Electrical and Electronics Engineers (IEEE), and is the IEEE Chair of the Computer Chapter of the Southern Alberta Section. He is associate professor, software engineering teaching chair, and the director of the master of software engineering in the Department of Electrical and Software Engineering at the University of Calgary, and will be joining the ICS faculty in January 2023.

Faculty Recruiting

UCI's Donald Bren School of Information and Computer Sciences, home of the Departments of Computer Science, Informatics, and Statistics, is seeking exceptional candidates for multiple tenured/tenure-track Professor and Professor of Teaching positions. A detailed description of each position, and application instructions, can be found at *bit.ly/ICSFacultyRecruiting*.