

Undergraduate Advising, Spring 2022, UCSB Computer Science

Xifeng Yan

Xifeng Yan is a Professor in the Department of Computer Science. Professor Yan joined the Department in 2008. His PhD is from the University of Illinois at Urbana-Champaign. His research interests include: data mining, data management, machine learning, and bioinformatics.

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Prabhanjan Ananth

Prabhanjan Ananth is the Glenn and Susanne Culler Chair Assistant Professor in CS. His Ph.D. is from UCLA and he spent two years at MIT as a postdoc before joining UCSB in 2019. His research is in classical and (post-)quantum cryptography.

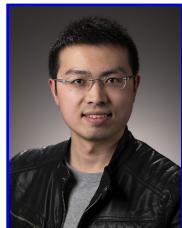
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Lingqi Yan

Lingqi Yan is an Assistant Professor of Computer Science at UC Santa Barbara, co-director of the MIRAGE Lab, and affiliated faculty in the Four Eyes Lab. Before joining UCSB, Lingqi received his Ph.D. degree from the Department of Electrical Engineering and Computer Sciences at UC Berkeley. His research is in Computer Graphics. During his Ph.D. career, Dr. Yan mainly aimed at rendering photo-realistic visual appearance at real world complexity, building theoretical foundations mathematically and physically to reveal the principles of the visual world. He has brought original research topics to Computer Graphics, such as detailed rendering from microstructure, and real-time ray tracing with reconstruction.

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Jonathan Balkind

Jonathan Balkind is an Assistant Professor of Computer Science at UCSB. He was previously a PhD Candidate in Computer Science at Princeton University. His research interests lie at the intersection of Computer Architecture, Programming Languages, and Operating Systems. He is the Lead Architect of OpenPiton and its heterogeneous-ISA descendent, BYOC, which are productive research platforms with thousands of downloads from over 70 countries worldwide.

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Diba Mirza

Diba Mirza is an Associate Professor in the Department of Computer Science. She received her Ph.D. in Computer Engineering from the University of California, San Diego and joined the Computer Science department at UCSB in 2017. She co-directs programs in undergraduate tutoring, the ULA Program, and research, ERSP.

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Trinabh Gupta

Trinabh Gupta is an Assistant Professor in the Computer Science department at the University of California, Santa Barbara (UCSB). He joined the CS department in Fall 2018. Professor Gupta received his PhD in Computer Science from UT Austin and his BTech in Computer Science and Engineering from IIT Delhi. Professor Gupta's research interests are in computer systems, security, and privacy. He enjoys taking theoretical constructs from the literature (e.g., cryptography) and carefully applying them to add strong security and privacy properties to computer systems.

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Undergraduate Advising, Computer Science, Spring 2022 (continued)

Amr El Abbadi

Amr El Abbadi is a Professor in the Department of Computer Science. Professor El Abbadi joined the Department in 1987. His Ph.D. is from Cornell University. His research interests include: Fault-tolerant distributed systems; Distributed Databases, Operating Systems, Cloud, and Social Networks. He is also the faculty advisor for the class of 2019.

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Tim Sherwood

Tim Sherwood is a Professor in the Department of Computer Science. Professor Sherwood joined the CS Department in 2003. He is the Associate Vice Chancellor for Research and the co-founder of Tortuga Logic. Professor Sherwood works on all manner of computer science and engineering problems from the perspective of how to better "shape" computers to address our needs (e.g. to be more secure or amenable to machine learning).



Daniel Lokshtanov

Daniel Lokshtanov is an Associate Professor of Computer Science at UCSB. He received his PhD in Computer Science (2009), from the University of Bergen. Lokshtanov spent two years (2010–2012) as a Simons Postdoctoral Fellow at University of California at San Diego, and 6 as a faculty at the Department of Informatics at the University of Bergen. His main research interests are in graph algorithms, parameterized algorithms and complexity. He is a recipient of the Meltzer prize, the Bergen Research Foundation young researcher grant, and of an ERC starting grant on parameterized algorithms. He is a co-author of the recent textbooks on [Parameterized Algorithms](#) and [Kernelization](#).

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Michael Beyeler

Michael Beyeler directs the Bionic Vision Lab at UC Santa Barbara. He received a PhD in Computer Science from UC Irvine as well as a BS in Electrical Engineering and a MS in Biomedical Engineering from ETH Zurich, Switzerland. Prior to joining UCSB, he completed a postdoctoral fellowship in the labs of Ione Fine (Psychology, Institute for Neuroengineering) and Ariel Rokem (eScience Institute) at the University of Washington, where he developed computational models of bionic vision. He is Associate Director of the UCSB Center for Virtual Environments and Behavior (ReCVEB) and recipient of the National Institutes of Health (NIH) Pathway to Independence Award.



Lei Li

Lei Li is an Assistant Professor in CS. Before joining UCSB, he directed the ByteDance AI Lab, the company behind TikTok and other prominent Chinese apps that use an AI-powered recommendation algorithm to provide personalized user experiences. He develops scalable algorithms that learn and mine knowledge from data, and is particularly interested in natural language processing, machine translation, and AI drug discovery.

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Yu-Xiang Wang

Yu-Xiang Wang is an Assistant Professor of Computer Science at UCSB. Prior to joining UCSB, he was a scientist with Amazon Web Services's AI research lab in Palo Alto, CA from 2017 to 2018. Yu-Xiang received his PhD in Statistics and Machine Learning in 2017 from the world's first Machine Learning Department in the School of Computer Science of Carnegie Mellon University (CMU).



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Ziad Matni

Ziad Matni is a Lecturer both in Computer Science and in Communications at UCSB, and will join the regular teaching faculty of Computer Science next year. Dr. Matni's research interests are in the use of information and communication technologies (ICT), including social media tools, as information sources (to tell us about both individuals and organizations) and understanding human behavior.

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Ambuj Singh

Ambuj Singh is a Professor of Computer Science and Biomolecular Science and Engineering. His undergraduate education was at IIT in India. He joined UCSB's computer science department immediately after his PhD. He has written over 180 technical papers in the areas of distributed computing, databases, and bioinformatics. He has worked with numerous students and graduated over 20 PhD and 10 MS students. His students have obtained positions in major research labs as well as domestic and international universities.

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Tobias Höllerer

Tobias Höllerer is a Professor in the Department of Computer Science. Professor Höllerer joined the Department in 2002. His Ph.D. is from Columbia University. His research interests include: Human computer interaction; computer graphics; virtual and augmented reality; wearable and ubiquitous computing. Professor Höllerer is the faculty advisor for the class of 2022.

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