# Undergraduate Advising, Fall 2018, UCSB Computer Science

### **Ben Hardekopf**

Ben Hardekopf is an Associate Professor of Computer Science at the University of California, Santa Barbara, where he leads the Programming Languages Research Laboratory. Dr. Hardekopf's main research area is Programming Languages, investigating programming language design, analysis, and implementation.

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#### **Chandra Krintz**

Chandra Krintz is a Professor of Computer Science at the University of California, Santa Barbara (UCSB) and co-founder and Chief Scientist of AppScale Systems, Inc. She joined the UCSB faculty in 2001 after receiving her M.S. and Ph.D. degrees in Computer Science from the University of California, San Diego (UCSD). Dr. Krintz's research is at the intersection of IoT, cloud computing, and data analytics with applications in farming, ranching, and ecology (cf SmartFarm and WTB).

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#### **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. He joined the CS department at UCSB in Fall 2018. 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.

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### Diba Mirza

Dr. Diba Mirza is a teaching-track faculty (LPSOE) in the Department of Computer Science. She received her PhD in Computer Engineering from the University of California, San Diego and joined the Computer Science department at UCSB in 2017. She is the faculty advisor for the 2018 class and co-directs the CS undergraduate tutor program and the Early Research Scholars Program(ERSP). The goal of these programs is to engage undergraduates in teaching and research early in their studies.

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# <u>Jianwen Su</u>

Dr. Jianwen Su is a Professor in the Department of Computer Science. Dr. Su joined the Department in 1990. His PhD is from USC. His research interests include: Database systems, theory, and applications.

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## Rich Wolski

Dr. Rich Wolski is a Professor in the Department of Computer Science and co-founder of Eucalyptus Systems Inc. Dr. Wolski joined the department in 2001. His Ph.D. degree is from the University of California at Davis. Dr. Wolski has led several national scale research efforts in the area of distributed systems and is the progenitor of the Eucalyptus open source cloud project. His research explore ways in which the ubiquitous proliferation of high-performance network connectivity can be used to foster new distributed computing capabilities and systems.

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### **Undergraduate Advising, Computer Science, Fall 2018 (continued)**

### **Richert Wang**

Dr. Richert Wang is a joint Lecturer PSOE between the Department of Computer Science in the College of Engineering and Computing in the College of Creative Studies. He received his Ph.D. in Information and Computer Science at UC Irvine in 2011. Dr. Wang works on computer science pedagogy topics including interdisciplinary approaches to teach applications of computer science to students with various backgrounds. Dr. Wang is the current faculty advisor for UCSB's Game Development Club.

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#### **Tevfik Bultan**

Dr. Tevfik Bultan is a Professor in the Department of Computer Science. Dr. Bultan joined the Department in 1998. His PhD is from University of Maryland, College Park. His research interests include: dependability and security of web software, automated verification, program analysis, and software engineering. Dr. Bultan's research group develops automated verification and analysis techniques that help developers in identifying and eliminating errors in software.

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### Tim Sherwood

Dr. Tim Sherwood is a Professor in the Department of Computer Science. Dr. Sherwood joined the CS Department in 2003. He is the Associate Vice Chancellor for Research and the co-founder of Tortuga Logic. Dr. 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).

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#### **Tobias Höllerer**

Dr. Tobias Hollerer is a Professor in the Department of Computer Science. Dr. Hollerer joined the Department in 2002. His PhD is from Columbia University. His research interests include: Human computer interaction; computer graphics; virtual and augmented reality; wearable and ubiquitous computing.

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# **Trinabh Gupta**

Dr. 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. Dr. Gupta received his PhD in Computer Science from UT Austin and his BTech in Computer Science and Engineering from IIT Delhi. Dr. 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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### Xifeng Yan

Dr. Xifeng Yan is a Professor in the Department of Computer Science. Dr. 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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## **Undergraduate Advising, Computer Science, Fall 2018 (continued)**

# **Yu-Xiang Wang**

Dr. 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). Yu-Xiang's research interests revolve around the intersection of machine learning, statistics and optimization with special focus on statistical theory and methodology, differential privacy, large-scale machine learning, reinforcement learning and deep learning.



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