

# UCSB CE and CS Undergraduate Advising, Winter 2025.

## [Yogananda Isukapalli](#)

Yogananda Isukapalli is a Teaching Professor in the ECE department. He joined the department in 2017 and has several years of experience as a staff scientist in the Wi-Fi division at Broadcom. He runs the CE Capstone program, offering students real-world experience in developing embedded systems that have significant hardware, software, and in some cases, mechanical components.

Email: [yoga@ucsb.edu](mailto:yoga@ucsb.edu)



## [Nabeel Nasir](#)

Dr. Nabeel Nasir is an Assistant Teaching Professor in the Department of Computer Science at the University of California, Santa Barbara. He received his PhD in Computer Science from the University of Virginia in 2024. Before his PhD, he worked as an Android Developer at Adobe for the Lightroom and Photoshop Mix teams. He also worked as a Software Developer for an IoT startup, EnLite Research, developing solutions to reduce energy consumption in office spaces. He is passionate about teaching and broadening participation in Computer Science, and supporting undergraduate research in Cyber Physical Systems and CS Education.

Email: [nabeeln@ucsb.edu](mailto:nabeeln@ucsb.edu)



## [Jonathan Balkind](#)

Jonathan Balkind is an Assistant Professor of Computer Science at UCSB. He received his PhD in Computer Science from 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.

Email: [jbalkind@ucsb.edu](mailto:jbalkind@ucsb.edu)



## [Forrest Brewer](#)

Forrest Brewer is a Professor in the ECE department. He received a BS at Caltech and a PhD at the University of Illinois before joining the UCSB ECE faculty. His research includes VLSI design (especially in highly-constrained environments), CAD design tools and analysis, and high-performance asynchronous communication link design. He directs the The Systems Synthesis Lab specializes in the development of unconventional tactics to solve engineering problems, with coincident creation of analytic or systematic models.

Email: [forrest@ece.ucsb.edu](mailto:forrest@ece.ucsb.edu)



## [Richert Wang](#)

Richert Wang is a joint Associate Teaching Professor 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. Professor Wang works on computer science pedagogy topics including interdisciplinary approaches to teach applications of computer science to students with various backgrounds. Professor Wang is the current faculty advisor for UCSB's Game Development Club.

Email: [richert@cs.ucsb.edu](mailto:richert@cs.ucsb.edu)



## [Ziad Matni](#)

Ziad Matni is an Assistant Teaching Professor in Computer Science. He received his PhD in Information Science from Rutgers University, where he also taught as an adjunct faculty member before joining UCSB. Before his work in academia, he held multiple engineering and management positions in the semiconductor, computer systems, and data communication industry for over a decade. He engages in research in CS education, computational social science, and in data & information science.

Email: [zmatni@ucsb.edu](mailto:zmatni@ucsb.edu)



## UCSB CE and CS Undergraduate Advising, Winter 2025 (continued)

### James Preiss

James A. Preiss is an Assistant Professor of Computer Science at the University of California, Santa Barbara. He received a Ph.D. in Computer Science from the University of Southern California. Before joining UCSB, he was a postdoctoral scholar in Computing + Mathematical Sciences at the California Institute of Technology. James has made contributions to a broad spectrum of topics in robotics, including control, learning, motion planning, and software platforms.

Email: preiss at ucsb.edu



### Phillip Conrad

Phill Conrad joined the faculty of the CS Department in January 2008, and in July 2012 was promoted to Lecturer (SOE), a career-oriented position focusing on undergraduate education. Dr. Conrad's focus is the lower-division curriculum, however he often teaches CS156, the project-oriented course in Java and Javascript.

Email: pconrad at engineering.ucsb.edu



### Maryam Majedi

Dr. Maryam Majedi joined the Department of Computer Science at the University of California, Santa Barbara, as an Assistant Teaching Professor in 2023. Dr. Majedi's research primarily revolves around Embedded Ethics and Data Privacy. She explores the intersection of computer science and ethical considerations, aiming to develop modules that facilitate the integration of ethics and data privacy principles into computer science education.

Email: majedi at ucsb.edu



### Diba Mirza

Diba Mirza is a Teaching Professor in the Department of Computer Science. She received her Ph.D. in Computer Engineering from the UC San Diego and joined the Computer Science department at UCSB in 2017. She worked as a post-doc on interdisciplinary projects in the department of Computer Science and the Scripps Institution of Oceanography at UC San Diego, where she developed underwater robotic swarms that can help scientists learn more about the ocean. She directs the Early Research Scholars Program (ERSP) which is designed to support students in their first research experience and co-directs the CS Undergraduate Learning Assistant Program.

Email: dimirza at cs.ucsb.edu



### Misha Sra

Misha Sra is the John and Eileen Gerngross Assistant Professor and directs the Human-AI Integration Lab in the Computer Science department at UCSB. Misha received her PhD at the MIT Media Lab in 2018. She has published at the most selective HCI and VR venues such as CHI, UIST, VRST, and DIS where she received multiple best paper awards and honorable mentions. From 2014-2015, she was a Robert Wood Johnson Foundation wellbeing research fellow at the Media Lab. In spring 2016, she received the Silver Award in the annual Edison Awards Global Competition that honors excellence in human-centered design and innovation. MIT selected her as an EECS Rising Star in 2018. Her research has received extensive media coverage from leading media outlets (e.g., from Engadget, UploadVR, MIT Tech Review and Forbes India) and has drawn the attention of industry research, such as Samsung and Unity 3D.

Email: sra at ucsb.edu



### Dmitri Strukov

Dmitri Strukov is a Professor and Distinguished Lecturer in the ECE department at UCSB. He directs the Strukov Research Group, which aims to develop novel computation methods. He pursues highly interdisciplinary research, which spans material science, electrical engineering, and computer science.

Email: strukov at ece.ucsb.edu



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### Chandra Krintz

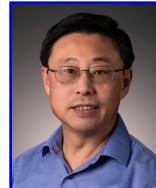
Chandra Krintz is a Professor in Computer Science. She received her Ph.D. from UC San Diego before joining the UCSB CS Department in 2001. She co-directs the Lab for Research on Adaptive Computing Environments (RACELab) and previously worked at AppScale. Her research interests include AI systems for the Internet of Things (IoT), Programming Systems, cloud computing and services, distributed systems and edge computing, embedded systems, and digital agriculture and technology.

Email: ckrintz@ucsb.edu



### Jianwen Su

Jianwen Su is a Professor in Computer Science. He received his PhD from the University of Southern California before joining the UCSB CS department in 1990. His research interests include database systems, services computing, and business process management. He is a member of the ACM and IEEE and has served or serves on committees of several conferences and journals.



Email: su@cs.ucsb.edu

### Kerem Çamsari

Kerem Çamsari is an Associate Professor in the ECE department working at the Orchestrating Physics for Unconventional Systems (OPUS) Lab. His research interests include nanoelectronics, spintronics, Emerging Technologies for Computing, Digital and Mixed-signal VLSI, Neuromorphic and Probabilistic Computing, Quantum Computing, and Hardware Acceleration.

Email: camsari@ece.ucsb.edu



### Haewon Jeong

Dr. Jeong's research focuses on building provably reliable machine learning (ML) systems using tools from information theory and coding theory. As ML systems are getting bigger, faster, and impacting more people, their reliability is challenged on many fronts. My research adapts and reinvents information-theoretic concepts for the context of reliable large-scale ML. To build reliability in machine metrics (e.g., computation time, accuracy), she marries coding theory and systems research to develop large-scale distributed algorithms that are resilient to unreliable or malicious nodes. To build reliability in human metrics (e.g., fairness, accountability), she closely collaborates with social scientists to investigate the fundamental limits of fairness of ML algorithms and develop discrimination mitigation strategies that can be used in practical ML pipelines.



Email: haewon@ece.ucsb.edu

## **UCSB CE and CS Undergraduate Advising, Winter 2025 (continued)**

### Peng Li

Peng Li received the Ph. D. degree in Electrical & Computer Engineering from Carnegie Mellon University in 2003. He was on the faculty of Texas A&M University from August 2004 to June 2019. Since July 2019, he has been with University of California at Santa Barbara as a professor of Electrical and Computer Engineering. His research interests are in brain-inspired computing, electronic design automation, integrated circuits and systems, robust machine learning, and application of machine learning to IC design.

Email: lip at ece.ucsb.edu



### Yuan-Fang Wang

Yuan-Fang Wang received his bachelor's degree in electrical engineering from National Taiwan University and his master's and Ph.D. degrees in electrical and computer engineering from the University of Texas at Austin. He joined the Department of Computer Science at the University of California at Santa Barbara in 1987, where he is currently a Professor. Dr. Wang's research activities center on machine learning, artificial intelligence, computer vision, computer graphics, bioinformatics, and digital image and video libraries. He has published over 150 peer-reviewed papers and holds two patents.

Email: yfwang at cs.ucsb.edu

