# Chen Chen

**Tenure-Track Assistant Professor**
Knight Foundation School of Computing and Information Science
College of Engineering and Computing
Florida International University, Miami, FL, United States

Google Scholar
Research Gate
Semantic Scholar
DBLP
FIU Directory | Discovery
LinkedIn | Twitter/X

**Email**: chechen@fiu.edu
**Tel**: +1-305-348-9963
**Website**: https://chen-chen.me

## ACADEMIC APPOINTMENT

**Florida International University**, **School of Computing & Information Sciences**, Miami, FL, USA
**Assistant Professor** Aug. 2025 – Present

## EDUCATION

**University of California San Diego**, **Department Computer Science and Engineering**, La Jolla, CA, USA
**Ph.D., Computer Science** Jun. 2025
**C.Phil., Computer Science** Mar. 2023
**Thesis**: Seamless and Efficient Interactions within a Mixed-Dimensional Information Space [PDF]
**Research Advisor**: Nadir Weibel
**Committee**: Nadir Weibel (Chair), Haijun Xia, James D. Hollan, William G. Griswold, Yang Zhang, Cuong Nguyen
**Major Awards:** Qualcomm Innovation Fellowship (Finalist), Adobe Research Fellowship (Finalist), Honorable Mention by ACM CHI 2024, Distinguished Paper Award by ACM IMWUT 2024.
**Training Course for College Teaching**: Student-Centered College Teaching and Course Design
**Additional Affiliation:** The Design Lab, Qualcomm Institute at the California Institute for Telecommunications and Information Technology (CalIT2)

**Carnegie Mellon University**, **Department of Electrical and Computer Engineering,** Pittsburgh, PA, USA
**M.S. Electrical and Computer Engineering** Dec. 2017
**Research Advisors**: Yuvraj Agarwal, Chris Harrison
**Collaborators:** Anind K. Dey, Robert Xiao, Yang Zhang, Gierad Laput

**The University of Nottingham**, **Department of Electrical and Electronic Engineering**, Nottingham, UK
**B.Eng. (Honors, First Class) Electrical and Electronic Engineering** Jul. 2016
**Thesis**: Design, Construct, and Control of a Low-Cost Intelligent Line Following Robotic Vehicle
**Awards**: University Prize for Top Graduate in the Department of Electrical and Electronic Engineering, British Petroleum Fellowship, Nottingham Advantage Award
**Research Advisor**: John Walker, Mark Sumner

## PEER-REVIEWED CONFERENCE PAPERS [C#]

**[C11]** Jessica de Souza, **Chen Chen**, Tanya Punater, Ariana Talai, Bárbara Tideman Sartorio Camargo, Ana Carolina Lavio Rocha, Kelly P. Coca, Edward J. Wang, "Understanding the Challenges and Design Opportunities of Using Voice Assistants to Support Postpartum Mothers in Brazil", In Proceedings of the ACM 2025 Conversational User Interface (CUI '25), Waterloo, ON, Canada. DOI: 10.1145/3719160.3736620.

**[C10]** Matin Yarmand, **Chen Chen**, Michael V. Sherer, Yash N. Shah, Peter Liu, Borui Wang, Larry Hernandez, James D. Murphy, Nadir Weibel, "Enhancing Accuracy, Time Spent, and Ubiquity in Critical Healthcare Delineation: Design and Development of Cross-device Contouring", In Proceedings of the ACM 2024 Designing Interactive Systems (DIS '24), Copenhagen, Demark. DOI: 10.1145/3643834.3660718 (Core Rank A, Acceptance Rate = 27%).

**[C9]** Matin Yarmand, **Chen Chen**, Kexin Cheng, James D. Murphy, Nadir Weibel, "I'd be watching him contour till 10 o'clock at night: Understanding Tensions between Teaching Methods and Learning Needs in Healthcare Apprenticeship", In Proceedings of the ACM 2024 CHI Conference on Human Factors in Computing Systems (CHI '24), Honolulu, HI, USA. DOI: 10.1145/3613904.3642453 (Core Rank: A, Acceptance Rate = 26.3%). **Honorable Mention Award (top 5%)**

**[C8]** **Chen Chen**, Cuong Nguyen, Jane Hoffswell, Jennifer Healey, Trung Bui, Nadir Weibel, "PaperToPlace: Transforming Instruction Documents into Spatialized and Context-Aware Mixed Reality Experiences", In Proceedings of the 36th Annual ACM Symposium on User Interface Software and Technology (UIST '23), San Francisco, CA, USA. DOI: 10.1145/3586183.3606832 (Core Rank: A*, Acceptance Rate = 25.1%).

**[C7]** Siyou Pei, Alexander Chen, **Chen Chen**, Franklin Mingzhe Li, Megan Fozzard, Hao-Yun Chi, Nadir Weibel, Patrick Carrington, Yang Zhang, "Embodied Exploration: Facilitating Remote Accessibility Assessment for Wheelchair Users with Virtual Reality". In Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '23), New York, NY, USA. DOI: 10.1145/3597638.3608410 (Core Rank: A, Acceptance Rate = 27%).

**[C6]** **Chen Chen**, Ellat T. Lifset, Yichen Han, Arkajyoti Roy, Michael Hogarth, Alison A. Moore, Emilia Farcas, Nadir Weibel, "Screen or No Screen? Lessons Learnt from a Real-World Deployment Study of Using Voice Assistants With and Without Touchscreen for Older Adults", In Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '23), New York, NY, USA. DOI: 10.1145/3597638.3608378 (Core Rank: A, Acceptance Rate = 27%).

**[C5]** **Chen Chen**, Matin Yarmand, Varun Singh, Yang Zhang, Nadir Weibel, "VRContour: Bringing Contour Delineations of Medical Structures Into Virtual Reality", In Proceedings of the 21st IEEE International Symposium on Mixed and Augmented Reality (ISMAR '22), Singapore. DOI: 10.1109/ISMAR55827.2022.00020 (Core Rank: A*, Acceptance Rate = 21%)

**[C4]** **Chen Chen**, Matin Yarmand, Zhuoqun Xu, Varun Singh, Yang Zhang, Nadir Weibel, "Investigating Input Modality and Task Geometry on Precision-first 3D Drawing in Virtual Reality", In Proceedings of the 21st IEEE International Symposium on Mixed and Augmented Reality (ISMAR '22), Singapore. DOI: 10.1109/ISMAR55827.2022.00054 (Core Rank: A*, Acceptance Rate = 21%).

**[C3]** **Chen Chen**, Janet G. Johnson, Kemeberly Charles, Alice Lee, Ella T. Lifset, Michael Hogarth, Alison A. Moore, Emilia Farcas, Nadir Weibel, "Understanding Barriers and Design Opportunities to Improve Healthcare and QOL for Older Adults through Voice Assistants", In Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '21), Virtual Event, USA. DOI: 10.1145/3441852.3471218 (Core Rank: A, Acceptance Rate = 26%).

**[C2]** **Chen Chen**, Ke Sun, Xinyu Zhang, "EXGSsense: Toward Facial Gesture Sensing with a Sparse Near-eye Sensor Array", In Proceedings of the 20th International Conference on Information Processing in Sensor Networks, (IPSN '21), Nashville, TN, USA. DOI: 10.1145/3412382.3458268 (Core Rank: A*, Acceptance Rate = 24%).

**[C1]** Ke Sun, **Chen Chen**, Xinyu Zhang, "Alexa, Stop Spying on Me!": Speech Privacy Protection Against Voice Assistants", In Proceedings of the 18th Conference on Embedded Networked Sensor Systems (SenSys '20), Virtual Event, Japan. DOI: 10.1145/3384419.3430727 (Core Rank: A*, Acceptance Rate = 20%).

## PEER-REVIEWED JOURNAL PAPERS [J#]

**[J4]** **Chen Chen**, Cuong Nguyen, Alexa Siu, Dingziyu Li, Nadir Weibel, "SweeperBot: Making 3D Browsing Accessible through View Analysis and Visual Question Answering", In the International Journal of Human-Computer Interaction (IJHCI), Taylor & Francis, DOI: 10.1080/10447318.2025.2594750 (Impact Factor = 4.9, Acceptance Rate = 18%, 2024).

**[J3]** **Chen Chen**, Cuong Nguyen, Thibault Groueix, Vladimir (Vova) Kim, Nadir Weibel, "MemoVis: A GenAI-Powered Tool for Creating Companion Reference Images for 3D Design Feedback", In Journal of ACM Transactions on Computer-Human Interactions (TOCHI), 31, 5, Article 67, 2024. Presented in ACM UIST '24, Pittsburgh, PA, USA. DOI: 10.1145/3694681 (Impact Factor = 4.8, 2023).

**[J2]** Sudershan Boovaraghavan, **Chen Chen**, Anurag Maravi, Mike Czapik, Yang Zhang, Chris Harrison, Yuvraj Agarwal, "Mites: Design and Deployment of a General-Purpose Sensing Infrastructure for Buildings", In Journal of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 7, 1, Article 2 (IMWUT '23). Presented in ACM UbiComp '23, Cancun, Mexico. DOI: 10.1145/3580865 (Impact Factor = 3.6, 2023). **Distinguished Paper Award (8 out of 205)**

**[J1]** Ella T. Lifset, Kemeberly Charles, Emilia Farcas, Nadir Weibel, Michael Hogarth, **Chen Chen**, Janet G Johnson, Mary Draper, Annie L Nguyen, Alison A Moore, "Ascertaining Whether an Intelligent Voice Assistant Can Meet Older Adults' Health-Related Needs in the Context of a Geriatrics 5Ms Framework", In Journal of Gerontology and Geriatric Medicine, 9, 2023. DOI: 10.1177/23337214231201138 (Impact Factor = 2.1, 2023)

## ARTICLES [A#]

**[A2]** Menghe Zhang, **Chen Chen**, Matin Yarmand, Anish Rajeshkumar, Nadir Weibel, "AcuVR: Enhancing Acupuncture Training Workflow with Virtual Reality", arXiv preprint arXiv:2407.02614, DOI: 10.48550/arXiv.2407.02614.

**[A1]** Menghe Zhang, **Chen Chen**, Matin Yarmand, Nadir Weibel, "VR for Acupuncture? Exploring Needs and Opportunities for Acupuncture Training and Treatment in Virtual Realty". arXiv preprint arXiv:2312.07772, DOI: 10.48550/arXiv.2312.07772.

## SHORT PAPERS, POSTERS AND DEMOS [S#]

**[S12]** Nishanth Chidambaram, Weichen Liu, Manas Satish Bedmutha, Nadir Weibel, **Chen Chen**, "DriveSimQuest: A VR Driving Simulator and Research Platform on Meta Quest with Unity", In Proceedings of the Adjunct Proceedings of the 38th Annual ACM Symposium on User Interface Software and Technology (UIST '25 Adjunct), Busan, South Korea, DOI: 10.1145/3746058.3758372 (Core Rank: A).

**[S11]** **Chen Chen**, Ella T. Lifset, Yichen Han, Arkajyoti Roy, Michael Hogarth, Alison A. Moore, Emilia Farcas, Nadir Weibel, "How do Older Adults Set Up Voice Assistants? Lessons Learned from a Deployment Experience for Older Adults to Set Up Standalone Voice Assistants", In Proceedings of the Companion Publication of the 2023 ACM Designing Interactive Systems Conference (DIS '23 Companion), Pittsburgh, PA, USA. DOI: 10.1145/3563703.3596640 (Core Rank: A).

**[S10]** Matin Yarmand, Borui Wang, **Chen Chen**, Michael V. Sherer, Larry Hernandez, James Murphy, Nadir Weibel, "Design and Development of a Training and Immediate Feedback Tool to Support Healthcare Apprenticeship", In the Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23 EA), Hamburg, Germany. DOI: 10.1145/3544549.3585894 (Core Rank: A*).

**[S9]** Yichen Han, Christopher Bo Han, **Chen Chen**, Peng Wei Lee, Michael Hogarth, Alison A Moore, Nadir Weibel, Emilia Farcas, "Towards Visualization of Time–Series Ecological Momentary Assessment (EMA) Data on Standalone Voice–First Virtual Assistants", In the Proceedings of the 24th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '22), Athens, Greece. DOI: 10.1145/3517428.3550398 (Core Rank: A).

**[S8]** Matin Yarmand, Michael V. Sherer, **Chen Chen**, Larry Hernandez, Nadir Weibel, James Murphy, "Evaluating Accuracy, Completion Time, and Usability of Everyday Touch Devices for Contouring", The 2022 Annual Meeting Scientific Program Committee of the American Society for Radiation Oncology (ASTRO '22), Huston, TX, USA. DOI: 10.1016/j.ijrobp.2022.07.515. **Oral Scientific Presentation (top 9%)**

**[S7]** **Chen Chen**, Matin Yarmand, Varun Singh, Michael V. Sherer, James D. Murphy, Yang Zhang, Nadir Weibel, "Exploring Needs and Design Opportunities for Virtual Reality-based Contour Delineations of Medical Structures", In Proceedings of the Companion Publication of the 2022 ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS '22 Companion), Sophia Antipolis, France. DOI: 10.1145/3531706.3536456.

**[S6]** **Chen Chen**, Khalil Mrini, Kemeberly Charles, Ella Lifset, Michael Hogarth, Alison Moore, Nadir Weibel, Emilia Farcas, "Toward a Unified Metadata Schema for Ecological Momentary Assessment with Voice-First Virtual Assistants", In the Proceedings of the 3rd Conference on Conversational User Interfaces (CUI '21), Bilbao, AA, Spain. DOI: 10.1145/3469595.3469626.

**[S5]** Matin Yarmand, **Chen Chen**, Danilo Gasques, James D. Murphy, Nadir Weibel, Facilitating Remote Design Thinking Workshops in Healthcare: the Case of Contouring in Radiation Oncology, In the Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21 EA), Yokohama, Japan. DOI: 10.1145/3411763.3443445 (Core Rank: A*).

**[S4]** Kemeberley Charles, **Chen Chen**, Janet G. Johnson, Alice Lee, Ella T. Lifset, Michael Hogarth, Alison A. Moore, "How Might an Intelligent Voice Assistant Address Older Adults' Health-related Needs?", Journal of the American Geriatrics Society (AGS '21 abstract), vol. 69, pp. S243-S244. 111 River St, Hoboken 07030-5774, NJ, USA: Willey, April 2021, DOI: 10.1111/jgs.17115.

**[S3]** Khalil Mrini, **Chen Chen**, Ndapa Nakashole, Nadir Weibel, Emilia Farcas, "Medical Question Understanding and Answering for Older Adults", The 3rd Southern California NLP Symposium (SoCal ML & NLP '21). URL: http://voli.ucsd.edu/pdfs/2021_VOLI_SoCal_NLP.pdf.

**[S2]** Ella T. Lifset, Kemeberley Charles, Emilia Farcas, Nadir Weibel, Michael Hogarth, **Chen Chen**, Janet G. Johnson, Alison A. Moore, "Can an Intelligent Virtual Assistant (IVA) Meet Older Adult Health-Related Needs in the Context of a Geriatric 5Ms Framework?", Journal of the American Geriatrics Society (AGS '20 abstract),

vol. 70, pp. S245. 111 River St, Hoboken 07030-5774, NJ, USA: Willey, April 2020. DOI: 10.1111/jgs.17115.

**[S1]** **Chen Chen**, Ke Sun, Xinyu Zhang, "CapTag: Toward Printable Ubiquitous Internet of Things: Poster Abstract", In the Proceedings of the 18th Conference on Embedded Networked Sensor Systems (SenSys '20), Virtual Event, Japan. DOI: 10.1145/3384419.3430410 (Core Rank: A*). **Best Poster Award (Runner-Up)**

## PATENTS [PA#]

**[PA2]** Cuong Nguyen, Trung Bui, Jennifer Healey, Jane Hoffswell, **Chen Chen**, "Rendering and Anchoring Instructional Data in Augmented Reality with Context Awareness". U.S. Patent 18125889. Granted by US. **Patent Issued.** [Link]

**[PA1]** Yuvraj Agarwal, Chris Harrison, Gierad Laput, Sudershan Boovaraghavan, **Chen Chen**, Abhijit Hota, Robert B. Xiao, Yang Zhang, "Virtual Sensor System", U.S. Patent 10436615, Granted by WO, CN, US. **Patent Issued**. [Link]

## PRESS COVERAGES

**Making Voice Assistants Accessible for Older Patients**, 2021, UCSD News, TechXplorex

**MIGHTY MITES – Super Sensing for a Smarter IoT**, 2018, The Link @Carnegie Mellon University

## AWARDS

**Distinguished Paper Award (8 out of 205),** ACM IMWUT 2024, Vol. 7 — 2024

**Best Paper Honorable Mention Award (top 5%),** ACM CHI 2024 — 2024

**Microsoft Startup Fund** — 2023

**UCSD GPSA Travel Grant** — 2023

**Special Recognitions as Useful (or Highly Useful) Reviews**, ACM UIST 2023, CHI 2024, DIS 2024, TEI 2025 — 2023 – Now

**Adobe Research Fellowship (Top 30 Finalist)**, Adobe Inc. — 2021

**Qualcomm Innovation Fellowship (Selected Abstract)**, Qualcomm Inc. — 2021

**Best Poster Award (Runner Up)**, ACM SenSys 2020 — 2020

**Qualcomm Innovation Fellowship (Selected Proposal)**, Qualcomm Inc. — 2020

**Qualcomm Innovation Fellowship (Finalist 33/110)**, Qualcomm Inc. — 2019

**University Prize for Top Graduate in the Department of Electrical and Electronic Engineering**, The University of Nottingham — 2016

**Nottingham Advantage Award**, The University of Nottingham — 2016

**British Petroleum Scholarship**, BP P.L.C. — 2015

## EMPLOYMENT EXPERIENCE

### University of California San Diego
Sep. 2018 – Aug. 2025

*Ph.D. Graduate Student Researcher*
*Computer Science and Engineering & The Design Lab*
**Mentors/Collaborators:** Nadir Weibel, Emilia Farcas, Ndapa Nakashole, Xinyu Zhang
**External Collaborators:** Yang Zhang (UCLA), Patrick Carrington (CMU), Yuvraj Agarwal (CMU), Chris Harrison (CMU)
**Medical Expert Collaborators:** Alison A. Moore (UCSD-Health), Michael Hogarth (UCSD-Health), James D. Murphy (UCSD-Health), Michael V. Sherer (UCSD-Health)

### Microsoft Research
Jun. 2024 – Sep. 2024

*Research Scientist Intern*
*Extended Perception, Interaction & Cognition (EPIC), Redmond, WA, USA*
**Mentors**: Nicolai Marquardt, Ken Hinckley
**Collaborators**: Andy Wilson, Bala Kumaravel, Hugo Romat, Payod Panda, Michel Pahud, Asta Roseway, Dave Brown

**Adobe Research** Nov. 2023 – Present
*Ph.D. Student Collaborator*
Adobe Research, San Francisco, CA, USA
**Mentors**: Cuong Nguyen, Alexa F. Sui, Dingzeyu Li

**Adobe Research** Jun. 2023 – Nov. 2023
*Research Scientist/Engineer Intern*
Adobe Research, San Francisco, CA, USA
**Mentors**: Cuong Nguyen, Thibault Groueix, Vladimir (Vova) Kim
**Collaborators**: Joy O. Kim, Zongze Wu

**Adobe Research** Jun. 2022 – Sep. 2022
*Research Scientist Intern* Sep. 2022 – Apr. 2023
Adobe Research, San Francisco, CA, USA
*Ph.D. Student Collaborator* – Adobe Research, San Francisco, CA, USA
Mentors: Cuong Nguyen, Jane Hoffswell, Jennifer Healey, Trung Bui

**Carnegie Mellon University** Dec. 2016 – Jun. 2018
*Research Assistant*
Software and Societal Systems & Human-Computer Interaction Institute
Mentors: Yuvraj Agarwal, Chris Harrison, Yang Zhang, Gierad Laput

**University of Nottingham** May 2015 – Aug. 2015
*Research Assistant* – Energy Technology Research Institute, Nottingham, UK
Mentors: Mark Sumner, Richard Davies, Seksak Pholboon, Eldar Naghiyev

## Teaching

**Instructor,** FIU, Knight Foundation School of Computing and Information Sciences Spring 2026
COP 4813 - Web Application Programming (In-Person, Undergraduate, 50 Seats)

**Instructor,** FIU, Knight Foundation School of Computing and Information Sciences Fall 2025
COP 4104 - Human-Computer Interaction (Online, Undergraduate, 50 Seats)

**Teaching Assistant,** UC San Diego, Jacobs School of Engineering Winter 2025
Introduction to Embedded Computing (Training Class for Working Professionals)

**Teaching Assistant & Lab Instructor**, UC San Diego, Department of Computer Science and Engineering Fall 2024
Ubiquitous Computing (Undergraduate and Graduate)

**Teaching Assistant,** UC San Diego, Department of Computer Science and Engineering Spring 2024
3D User Interactions (Undergraduate)

**Teaching Assistant & Lab Instructor,** UC San Diego, Jacobs School of Engineering Winter 2024
Introduction to Embedded System Design (Training Class for Working Professionals)

**Teaching Assistant & Lab Instructor**, UC San Diego, Department of Computer Science and Engineering Fall 2023
Ubiquitous Computing (Undergraduate and Graduate)

**Teaching Assistant & Lab Instructor,** UC San Diego, Department of Computer Science and Engineering Fall 2022
Ubiquitous Computing (Undergraduate and Graduate)

**Teaching Assistant & Lab Instructor,** UC San Diego, Jacobs School of Engineering Winter 2021
Introduction to Embedded Computing (Training Class for Working Professionals)

**Teaching Assistant,** UC San Diego, Department of Computer Science and Engineering Fall 2020
Advanced Software Engineering (Undergraduate)

**Teaching Assistant,** UC San Diego, Department of Computer Science and Engineering Fall 2019
Data Center System (Undergraduate)

**Teaching Assistant,** UC San Diego, Department of Cognitive Sciences Summer I 2019
AI Algorithm (Undergraduate)

**Teaching Assistant,** Carnegie Mellon University, Department of Software and Societal Systems Fall 2017
Web Application Development (Graduate)

**Teaching Assistant,** Carnegie Mellon University, Department of Software and Societal Systems Fall 2016

Web Application Development (Graduate)

## SERVICE

**Program Committee, Associate Chair (AC)**: ACM UIST ‘26, Full Paper Track

**Program Committee, Associate Chair (AC)**: ACM CHI ‘26, Full Paper Track, Interacting with Devices Subcommittee

**Program Committee, Associate Chair (AC)**: ACM UIST ‘25, Poster Track

**Program Committee, Associate Chair (AC)**: ACM ISWC ‘25, Notes & Briefs

**Program Committee, Associate Chair (AC)**: ACM DIS ‘25, Provocations & Work in Progress

**Program Committee, Associate Chair (AC)**: ACM CHI ‘25, Full Paper Track, User Experience & Usability Subcommittee

**Program Committee, Associate Chair (AC)**: ACM CHI ‘24 Late Breaking Work

**Program Committee, Associate Chair (AC)**: ACM CHI ‘23 Late Breaking Work

**Program Committee, Associate Chair (AC):** ACM EICS ‘23 Late Breaking Work

**Reviewer for Conferences (100+ Papers)**: ACM CHI ’22 – ‘25, ACM UIST ’23 ’22, ACM EICS ’23 ’22, ACM DIS ’23, ACM TEI ’22, ACM ICMI ’22 ’21, ACM SUI ’22 ’21, ACM IUI ’21, ACM VRST ’21, IEEE VR ’22, IEEE ISMAR ’22

**Reviewer for Journals (10+ Papers):** IEEE TVCG ’25, ACM TACCESS ’24, PLOS Digital Health ’22, ’23, IJHCI ’24 ’23 ’22, ACM IMWUT ’23 ‘22, ACM CSCW ’22, IEEE ISMAR ’24 Journal.

**Video Co-Chair**, ACM UbiComp/ISWC ‘23

**Ph.D. Admission Committee**, Florida International University, School of Computing & Info. Sciences, ‘25

**Department Infrastructure Committee,** Florida International University, School of Computing & Info. Sciences, ‘25

**Student Volunteer (SV)**: ACM ASSETS ’23 ’22 ’21, ACM DIS ’23, ACM UIST ‘24

**Co-Host for UCSD’s DLab Research Meeting:** Fall ‘22

**Faculty Hiring Committee**, UC San Diego, Computer Science and Engineering, ‘19

**Ph.D. Admission Committee**, UC San Diego, Computer Science and Engineering, ’19 ’20 ’21

**Volunteer**, International Humanity Foundation, Banda Aceh, Indonesia, ‘13

## Ph.D. STUDENTS MENTORED

**Shaoze Zhou,** “Supporting Conversational Experience with MR and AI”, Spring 2025 – Present
Knight Foundation School of Computing and Information Sciences, Florida International University

## THESIS COMMITTEE STUDENTS

**Rukmangadh Sai Myana,** “Explainable AI for Science”, Fall 2025 – Present
Committee Member - Ph.D. in Computer Science, Florida International University

## PRE-DOCTORAL RESEARCH STUDENTS MENTORED

**Zion Michael,** “Collaborations Experiences with Creativity Support Tools”, Fall 2025 – Present
Undergraduate, Mechanical Engineering, Florida International University

**Nishanth Chidambaram,** “XR Driving Simulator”, Fall 2024 – Present
MS Student, Computer Science and Engineering, UC San Diego

**Sirui Tao,** “Designing Interaction to Assist Blind and Low Vision Users Access Physical Space”
MS Student, Computer Science and Engineering, UC San Diego

**Jacob Lin,** “Designing Interactions with Volumetrically Rendered Anatomical Structure”
Undergraduate, Mathematics – Computer Science, UC San Diego (Co-mentor)

**Anish Rajeshkumar,** “Bringing Acupuncture Training and Therapy Workflow into VR”
Undergraduate, Mathematics – Computer Science, UC San Diego (Now MS Student at University of Southern California)

**Kexin Cheng,** “Designing Interactive Contouring Workflow for Oncology Residents”
Undergraduate, Cognitive Science, UC San Diego (Now MS Student at Cornell Tech) (Co-mentor)

**Borui Wang,** “Designing Interactive Contouring Workflow for Oncology Residents”

Undergraduate, Human Centered Design and Engineering, University of Washington
(Now Ph.D. Student at Cornell University) (Co-mentor)

**Yash N. Shah,** "Designing Interactive Contouring Workflow for Oncology Residents"
Undergraduate, Computer Science, UC San Diego (Now M.S. Student at Stanford University) (Co-mentor)

**Zhiwei Ren,** "Designing Interactive Contouring Workflow for Oncology Residents"
Undergraduate, Computer Science, UC San Diego (Now Ph.D. Student at University of Pittsburgh) (Co-mentor)

**Yichen Han**, "Designing Health Data Visualizations with Voice-First Virtual Assistant for Older Adults"
Undergraduate, Computer Science, UC San Diego (Now MS Student at Carnegie Mellon University)

**Varun Singh**, "VR-Based Contouring Systems for Radiation Therapy Treatment Planning"
Undergraduate, Computer Science, UC San Diego (Now Software Engineer at American Express)

**Arkajyoti Roy**, "Exploring Voice Assistant Design for Older Adults"
Undergraduate, Mathematics – Computer Science, UC San Diego (Now Software Engineer at Meta)

**Christopher Han**, "Exploring Voice Assistant Design for Older Adults"
Undergraduate, Mathematics – Computer Science, UC San Diego

**Peng Wei Lee**, "Exploring Voice Assistant Design for Older Adults"
Undergraduate, Electrical and Computer Engineering, UC San Diego

**Zhuoqun Xu**, "Measuring and Enhancing VR-Based 3D Drawing"
Undergraduate, Computer Science (Now Software Engineer at Intuitive Surgical)

**Ella T. Lifset**, "Deploying and Understanding Voice Assistant Uses Among Aging Populations"
Undergraduate, Human Biology, UC San Diego

**Kemeberley Charles**, "Deploying and Understanding Voice Assistant Uses Among Aging Populations"
Medical Student, UC San Diego Health

**Alice Lee**, "Deploying and Understanding Voice Assistant Uses Among Aging Populations"
Undergraduate, Cognitive Sciences, UC San Diego (Now UXR at Microsoft Research)

**Chenghong Bian**, "Reconstructing Facial Gestures with Sparse Near-Eye Sensor Array"
Visiting Student, Electrical and Computer Engineering, UC San Diego (Now Ph.D. Student at Imperial College London)

## UNDRDUATE STUDENT CAPSTONE MENTORED

**Ana Morales, Jonathan Martinez, Keren Rivera, Peace Passos, Sabrina Alvarado,** Fall 2025
"Design Conversation and Communication Support with Augmented Reality and Generative AI"
Faculty Advisor, B.S. in Computer Science Senior Project, Florida International University