

SHERRY X. CHEN

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SUMMARY

Computer Science Ph.D. with a research focus on multi-modal image analysis and GenAI

EDUCATION

Ph.D. - Computer Science

University of California, Santa Barbara

📅 09/2019 - Present

B.S. - Computer Science, Applied and Computational Math Science

University of Washington

📅 09/2016 - 06/2019

EXPERIENCE

Intern, Vision Intelligence

Samsung Research America (SRA)

📅 09/2024 - 03/2025

Build automated image editing evaluation model using vision language models (VLMs) to improve image editing generative AI (GenAI)

Computer Vision Research Engineer

Layer AI

📅 10/2023 - 09/2024

Design copyright-safe GenAI to facilitate content creation for artists and game designers

Intern, Engineering Division

Appen

📅 08/2021 - 01/2022

Design innovative deep learning architecture for object detection and tracking

PUBLICATIONS

Instruct-CLIP: Improving Instruction-Guided Image Editing with Automated Data Refinement Using Contrastive Learning

CVPR 2025

Sherry X. Chen, Misha Sra, Pradeep Sen

ADIEE: Automatic Dataset Creation and Scorer for Instruction-Guided Image Editing Evaluation

Preprint 2025

Sherry X. Chen, Yi Wei, Luowei Zhou, Suren Kumar

AID-AppEAL: Automatic Image Dataset and Algorithm for Content Appeal Enhancement and Assessment Labeling

ECCV 2024

Sherry X. Chen, Yaron Vaxman, Elad Ben Baruch, David Asulin, Aviad Moreshet, Misha Sra, Pradeep Sen

TiNO-Edit: Timestep and Noise Optimization for Robust Diffusion-Based Image Editing

CVPR 2024

Sherry X. Chen, Yaron Vaxman, Elad Ben Baruch, David Asulin, Aviad Moreshet, Kuo-Chin Lien, Misha Sra, Pradeep Sen

SiCo: A Size-Controllable Virtual Try-On Approach for Informed Decision-Making

Preprint 2024

Sherry X. Chen, Alex Christopher Lim, Yimeng Liu, Pradeep Sen, Misha Sra

EChat: An Emotion-Aware Adaptive UI for a Messaging App

UIST 2023

Radha Kumaran, Viral Niraj Doshi, Sherry X. Chen, Avinash Aji Nargund, Tobias Höllerer, Misha Sra

PUBLICATIONS

Pair DETR: Toward Faster Convergent DETR

ICASSP 2023

Seyed Mehdi Iranmanesh, Sherry X. Chen, Kuo-Chin Lien

PatchTrack: Multiple Object Tracking Using Frame Patches

Preprint 2022

Xiaotong Chen, Seyed Mehdi Iranmanesh, Kuo-Chin Lien

IntoTheVideos: Exploration of Dynamic 3D Space Reconstruction From Single Sports Videos

UIST 2021

Xiaotong Chen, Misha Sra

PEER-REVIEW SERVICE

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|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
| ICCV 2021 | CVPR 2022 | ECCV 2022 | SIGGRAPH Asia 2022 | CVPR 2023 | ICCV 2023 | CVPR 2024 |
| ECCV 2024 | ICPR 2024 | ACCV 2024 | AAAI 2024 | WACV 2025 | CVPR 2025 | |

TEACHING

CS 5A Introduction to Data Science 1

University of California, Santa Barbara (Spring 2024, Spring 2025)

Conduct discussion sections and office hours to assist students in practicing with language models and developing their statistical and Python coding knowledge.

CS 8 Introduction to Computer Science

University of California, Santa Barbara (Winter 2020, Summer 2020, Spring 2021)

Hold discussion sections and office hours to facilitate students in learning fundamental Python coding techniques. Helping the instructor to design practice problems and grading exams.

CS 16 Problem Solving with Computers I

University of California, Santa Barbara (Spring 2020, Winter 2022, Winter 2024)

Hold discussion sections and office hours to facilitate students in learning basic C++ coding. Support the instructor by designing practice problems and grading exams.

CS 24 Problem Solving with Computers II

University of California, Santa Barbara (Fall 2019)

Facilitate student learning in advanced C++ coding by holding discussion sections and office hours. Assist the instructor in designing practice problems and grading exams.

AWARDS

 Summer Research Fellowships
2020

 Doctoral Student Travel Award
2023