

Ge Shi

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Education

[†] *Indicates expected*

2019–2024 [†] Ph.D. student, Computer Science, University of California, Davis
Primary Instructor: Ian Davidson
2017–2019 M.S., Computer Science, University of Massachusetts, Amherst
2013–2017 B.S., Engineering in Automation, Zhejiang University

Research

XAI and Transparent Models

2022–Present Learn Common Combos but Tricks in Deep RL, Ian Davidson, UC Davis
2022–Present Concept-based XAI in Post-hoc Manner, Ian Davidson, UC Davis
2021–Present Exemplar-based XAI of Boundary Critics, Ian Davidson, UC Davis

DL with Unpleasant Data

2022–Present Implicit Robustness to Irrelevant Features in DL, Ian Davidson, UC Davis
2021–2022 Mixup Augmentation in Neuroimaging, Ian Davidson, UC Davis
2021–2022 Novel DL Approach in MVMI Setting (KDD), Ian Davidson, UC Davis
2021 Fall Survey of DL in Neuroimaging (Challenges and Methods), Ian Davidson, UC Davis
2020 Spring GAN-based Data Augmentation and Memorization, Ian Davidson, UC Davis

CV and Graph Applications

2022–Present	Automatic Social Equilibrium with Egoism, Ian Davidson, UC Davis
2018–2019	Super Congealing for Video Stabilization, Erik L-Miller, UMass Amherst
2018 Fall	Moving Object Segmentation, Erik L-Miller, UMass Amherst
2018 Spring	Semantic Image Segmentation, Subhransu Maji, UMass Amherst
2017 Spring	Multi-Source Information Based SLAM Design, Yu Zhang, ZJU

Teaching Assistant

2021 Winter	ECS 170, Introduction to Artificial Intelligence	UC Davis
2020 Winter	ECS 170, Introduction to Artificial Intelligence	UC Davis
2020 Spring	ECS 271, Machine Learning and Discovery	UC Davis
2019 Winter	ECS 036, Programming in C	UC Davis

Supervision

2021 Spring	Essam Sleiman, B.S. Student	UC Davis
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