Ph.D. openings are available in the Center for Research in Computer Vision (CRCV) at the University of Central Florida (UCF) under the supervision of Prof. Chen Chen. Students will be graduated with a Ph.D. degree in Computer Science. CRCV is a world-leading research center for computer vision and machine learning. UCF is ranked 11th in Computer Vision according to csrankings.org.

Prof. Chen Chen’s main research interests include computer vision, image and video processing, and machine learning. He has published ~70 papers in top-tier venues, including CVPR, ICCV, ECCV, NeurIPS, AAAI, IJCAI, MICCAI, T-PAMI, T-IP, T-NNLS, and IJCV. He has more than 7600 citations with an h-index of 45 as of July 2021 according to his Google Scholar profile. He is ranked among the top 2% of scientists in the world by a recent Stanford University study. He is an Area Chair of CVPR 2022, ACM Multimedia 2019 – 2021, ICME 2021, and WACV 2019. More information on Prof. Chen Chen can be found at: https://www.crcv.ucf.edu/chenchen/

The students will work on the following Research Topics:
(1) Deep learning for computer vision (object detection/recognition, action detection/recognition, human pose estimation and tracking, semantic segmentation, etc.)
(2) Vision for drones (vision-assisted navigation, control, planning, etc.)
(3) Multi-modality learning (vision, text, speech, etc.)
(4) AutoML (e.g., neural architecture search)
(5) Resource-efficient deep learning for edge computing (e.g., model compression/pruning, adaptive/dynamic neural networks, spiking neural networks, etc.)
(6) Label-efficient deep learning (e.g., self-supervised learning, semi-supervised learning, weakly-supervised learning)
(7) Federated learning and applications

Requirements:
(1) Undergraduate or MS students with degrees in Computer Science/Engineering, Electrical Engineering, Mathematics or related majors.

Phone: 407.823.1119 • Fax: 407.823.0594 • Web: http://crcv.ucf.edu/
(2) Strong programming and/or mathematical skills. Proficient in deep learning frameworks, e.g., PyTorch.
(3) Candidates with research experience in image processing, computer vision, and machine learning, are preferred.
(4) Proficiency in English reading and writing (through GRE, TOEFL/IELTS scores, and publications).
(5) Strong motivation and passion for conducting research and solving challenging problems.

Interested individuals are encouraged to contact Dr. Chen Chen (chen.chen@crcv.ucf.edu) with the following documentation:
(1) A short description of your research interest and experience
(2) A current CV
(3) Transcripts if applicable
(4) Representative publications if applicable

Short-listed prospective students will be contacted for an interview.

If you love Disney, beautiful beach and sunshine, welcome to Orlando, welcome to UCF!