Anastasios Stathopoulos

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EDUCATION

Rutgers University **May 2024**
Ph.D. student in Computer Science (GPA: 3.97/4.00)
Advisor: Dimitris Metaxas
Research Area: Computer Vision and Deep Learning

National Technical University of Athens **May 2018**
Diploma (BS + MEng) in Electrical & Computer Engineering (ECE)
GPA: 8.12/10.00 (top 10%), Major: Computer Science
Thesis: Real-time Semantic Reasoning for Autonomous Driving

EXPERIENCE

FAIR, Meta **Jul 2024 - Present**
Postdoctoral Researcher *New York City, NY, USA*

CBIM AI Research Lab, Rutgers University **Sep 2018 - May 2024**
Computer Vision Research *Piscataway, NJ, USA*

- 3D human pose and shape reconstruction from images and videos [CVPR'24].
- 3D animal recovery with minimal annotations using large-scale collections of web images [CVPR'23].
- Generative models, diffusion models, GANs [ICCV'21, CVPR'24].

Prime Video, Amazon **May 2021 - Aug 2021**
Applied Science Intern *Seattle, WA, USA*

- Developed an approach that utilizes complementary modalities to enhance the predictive capability of video action recognition models operating on RGB frames.
- Improved the AUC on violence detection in Prime Video movies by 2.7%.

Prime Video, Amazon **May 2020 - Aug 2020**
Applied Science Intern *Seattle, WA, USA*

- Developed an approach for self-supervised pretraining of multi-modal video understanding models using Prime Video movies.

AILS AI Research Lab, National Technical University of Athens **Sep 2017 - May 2018**
Computer Vision Research *Athens, Greece*

- Created a unified deep neural architecture which is able to jointly perform classification, detection and semantic segmentation, taking 50 ms to perform all tasks.

RADICAL Lab, Rutgers University **May 2016 - Aug 2016**
Research Intern *Piscataway, NJ, USA*

- Measured the scalability of image segmentation algorithms on parallel and distributed environments.

PUBLICATIONS

Score-Guided Diffusion for 3D Human Recovery
Anastasis Stathopoulos, Ligong Han, Dimitris Metaxas
Computer Vision and Pattern Recongtition **(CVPR)**, 2024 **[pdf][code][webpage]**

ProxEdit: Improving Tuning-Free Real Image Editing With Proximal Guidance
Ligong Han, Song Wen, Qi Chen, Zhixing Zhang, Kunpeng Song, Mengwei Ren, Ruijiang Gao, **Anastasis Stathopoulos**, Xiaoxiao He, *et al.*
Winter Conference on Applications of Computer Vision **(WACV)**, 2024 [**pdf**][**code**]

Learning Articulated Shape with Keypoint Pseudo-labels from Web Images
Anastasis Stathopoulos, Georgios Pavlakos, Ligong Han, Dimitris Metaxas
Computer Vision and Pattern Recongtition **(CVPR)**, 2023 [**pdf**][**code**][**webpage**]

Exploiting Unlabeled Data with Vision and Language Models for Object Detection
Shiyu Zhao, Zhixing Zhang, Samuel Schulter, Long Zhao, BG Vijay Kumar, **Anastasis Stathopoulos**, Manmohan Chandraker, Dimitris Metaxas
European Conference on Computer Vision **(ECCV)**, 2022 [**pdf**][**code**]

Dual Projection Generative Adversarial Networks for Conditional Image Generation
Ligong Han, Martin Renqiang Min, **Anastasis Stathopoulos**, Yu Tian, Ruijiang Gao, Asim Kadav, Dimitris Metaxas
International Conference on Computer Vision **(ICCV)**, 2021 [**pdf**][**code**]

Unbiased Auxiliary Classifier GANs with MINE [Oral, DeepMind Travel Award]
Ligong Han, **Anastasis Stathopoulos**, Tao Xue, Dimitris Metaxas
Computer Vision and Pattern Recognition Workshop **(CVPR-W)**, 2020 [**pdf**]

Deception Detection in Videos using Robust Facial Features [Best Student Paper Award]
Anastasis Stathopoulos, Ligong Han, Norah Dunbar, Judee K. Burgoon, Dimitris Metaxas
Future Technologies Conference **(FTC)**, 2020

SKILLS

Deep Learning Frameworks: PyTorch, TensorFlow
Programming Languages: Python, C/C++, CUDA, Matlab, Unix Bash
Tools and Platforms: GNU/Linux, Macosx, Windows, AWS, Git

AWARDS

Best Student Paper Award, FTC 2020 2020
DeepMind Travel Award, CVPR 2020 workshop on Adversarial ML in Computer Vision 2020
Gerondelis Graduate Student Fellowship Award, Gerondelis Foundation 2019

ACADEMIC SERVICES

Volunteer: SPAWC 2018
Reviewer: PAMI, CVPR, ICCV, ECCV, WACV, 3DV
Program Committee: AI for 3D Content Creation (AI3DC) @ ICCV 2023

LANGUAGES

Greek: Native
English: Certificate of Proficiency in English (C2), University of Michigan
German: Mittelstuffe (C1), Goethe Institut