Anastasis Stathopoulos

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EDUCATION

Rutgers University   **Piscataway, NJ, USA**
Ph.D. Student in Computer Science   *Sept. 2018 - Present*
- **Advisor:** Dimitris Metaxas 🎓 | **GPA:** 3.96/4.00
- **Research Area:** Computer Vision and Deep Learning

National Technical University of Athens (NTUA)   **Athens, Greece**
Integrated Masters in Electrical & Computer Engineering (ECE)   *Oct. 2012 - June 2018*
- **Major:** Computer Engineering | **GPA:** 8.12/10.00
- **Thesis:** Real-time Object Detection and Semantic Segmentation for Autonomous Driving

EXPERIENCE

Amazon Prime Video   **Seattle, WA, USA**
Applied Science Intern   *May 2021 - Aug. 2021*
- Compositional Action Recognition

Amazon Prime Video   **Seattle, WA, USA**
Applied Science Intern   *May 2020 - Aug. 2020*
- Video Understanding for Content Moderation
- Self-Supervised Video Representation Learning

Rutgers University, Computer Science Department, CBIM   **Piscataway, NJ, USA**
Research Assistant | Advisor: Dimitris Metaxas   *Sept. 2018 - Present*
- 3D Reconstruction from Single Images
- Generative Modeling   [**CVPRW'20**, **ICCV'21**]
- Video Understanding   [**FTC'20**]

Teaching Assistant   *Sept. 2018 - May 2020*
- CS:112: Data Structures (*Spring 2019, 2020*)
- CS:596: Topics in the Foundations of Computer and Data Science (*Fall 2019*)
- CS:314: Principles of Programming Languages (*Fall 2018*)

National Technical University of Athens (NTUA), ISLAB   **Athens, Greece**
Research Assistant | Thesis Preparation | Advisor: Andreas Stafylopatis   *Sept. 2017 - June 2018*
- Object Detection and Semantic Segmentation using a unified architecture

Rutgers University, ECE department, RADICAL   **Piscataway, NJ, USA**
Visiting Researcher | Host: Shantenu Jha   *Summer 2016*
- Benchmarking Image Segmentation Algorithms on Parallel and Distributed Environments

PUBLICATIONS

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

[2] Ligong Han, **Anastasis Stathopoulos**, Tao Xue, Dimitris Metaxas, "Unbiased Auxiliary Classifier GANs with MINE". *In CVPR workshop on Adversarial Machine Learning in Computer Vision, 2020.* 📄 Oral Presentation DeepMind Travel Award

TECHNICAL PROJECTS

Plug-and-Play Controlled Text Generation via Attribute-based Attention 📄 *Spring 2020*
- Proposed and built the first *plug-and-play* model that handles infobox-style *attribute-value pairs* for *conditional text generation*
- Combined a pre-trained unconditional language model (GPT-2) with an NER tagging system (BERT-based attribute classifier) for controllable text generation without fine-tuning

Missing-Data Imputation 🔗 *Spring 2019*
- Implemented a variation of an autoencoder to impute missing data in the dataset
- Treated the task of filling arithmetic and categorical values uniformly

Chord Protocol Implementation 🔗 *Fall 2016*
- Implemented (i) *sequential replica consistency* and (ii) *eventual replica consistency* versions of the Chord protocol

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Matlab, Erlang
Frameworks: PyTorch, TensorFlow, MXNet, GluonCV, OpenCV
Tools and Platforms: AWS, Git, Linux, Mac OSX, Windows, LaTeX

SOFT SKILLS

Self-motivated | Proactive | Easy-going | Enthusiastic to learn new things
Languages: *Greek* (Native), *English* (Fluent, level C2), *German* (Advanced, level C1)

HONORS AND 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 SERVICE

Volunteer: SPAWC 2018
Reviewer: CVPR 2021, ICCV 2021