

Aggelina Chatziagapi

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Education

PhD in Computer Science

Aug. 2020 - Present

Stony Brook University

New York

- Thesis: “Multi-Modal Neural Representations for Humans” (Advisor: Prof. Dimitris Samaras)
- Research interests: Deep Learning, Computer Vision, Multimodal Models
- Relevant coursework: Computer Vision, Machine Learning, Robotics, Natural Language Processing (GPA: 4.0)

Diploma (BSc & MSc) in Electrical and Computer Engineering

Sept. 2011 - Aug. 2017

National Technical University of Athens (NTUA)

Athens, Greece

- Thesis: “Speaker Adaptation for Speech Emotion Recognition” (Advisor: Prof. Alexandros Potamianos)
- Relevant coursework: Computer Vision, Pattern Recognition, Digital Signal Processing, Image and Video Analysis and Technology, Medical Image Processing, Speech and Natural Language Processing

Professional and Research Experience

Computer Vision Lab, Stony Brook University

Aug. 2020 - Present

Research & Teaching Assistant

New York

- Research in multi-modal and multi-identity neural representations for 3D/4D humans
- Research in audio-driven talking face video synthesis and expression transfer (with **Amazon Prime Video**)
- Teaching Assistant for Machine Learning course

Meta Reality Labs

May 2024 - Dec. 2024

Research Scientist Intern & Student Researcher

Pittsburgh, PA

- Research in multi-modal diffusion models for 4D talking faces

Meta Reality Labs

May 2023 - Nov. 2023

Research Scientist Intern & Student Researcher

San Francisco, CA

- Research in generalizable dynamic NeRFs for 4D full-body talking human animation

Meta Reality Labs

May 2022 - Nov. 2022

Research Scientist Intern & Student Researcher

Seattle, WA

- Research in multi-modal (audio-visual) 4D face reconstruction

Behavioral Signal Technologies

April 2018 - May 2020

Machine Learning Engineer

Athens, Greece

- Research in data augmentation and GANs to address data imbalance in the real world
- Developed robust models to recognize emotions and behaviors from speech in various domains and conditions
- Built the training and evaluation pipelines of the company’s ML infrastructure

Terabee (CERN spin-off)

Sept. 2017 - March 2018

Computer Vision Engineer Intern

Geneva, Switzerland

- Developed a people tracking and counting system using a ToF depth camera
- Developed an image processing algorithm to generate robot trajectories based on sensor data
- Adapted an optical character recognition system to real-world conditions

Speech and Language Processing Group, NTUA

Sept. 2016 - Aug. 2017

Lab & Research Assistant

Athens, Greece

- Carried out research in speech emotion recognition and speaker adaptation

Selected Publications

- **A. Chatziagapi**, L.-P. Morency, H. Gong, M. Zollhöfer, D. Samaras, and A. Richard, “AVFlow: Transforming Text to Audio-Visual Human-like Interactions,” in *arXiv*, 2025 [\[pdf\]](#)
- **A. Chatziagapi**, G. G. Chrysos, and D. Samaras, “MIGS: Multi-Identity Gaussian Splatting via Tensor Decomposition,” in *ECCV*, 2024 (**oral, top 2%**) [\[pdf\]](#)
- **A. Chatziagapi**, B. Chaudhuri, A. Kumar, R. Ranjan, D. Samaras, and N. Sarafianos, “TalkinNeRF: Animatable Neural Fields for Full-Body Talking Humans,” in *ECCVW*, 2024 [\[pdf\]](#)
- **A. Chatziagapi**, G. G. Chrysos, and D. Samaras, “MI-NeRF: Learning a Single NeRF from Multiple Identities,” in *ECCVW*, 2024 [\[pdf\]](#)
- **A. Chatziagapi** and D. Samaras, “AVFace: Towards Detailed Audio-Visual 4D Face Reconstruction,” in *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2023 [\[pdf\]](#)
- **A. Chatziagapi**, S. Athar, A. Jain, R. MV, V. Bhat, and D. Samaras, “LipNeRF: What is the right feature space to lip-sync a NeRF?,” *International Conference on Automatic Face and Gesture Recognition*, 2023 [\[pdf\]](#)
- **A. Chatziagapi**, S. Athar, F. Moreno-Noguer, and D. Samaras, “SIDER: Single-Image Neural Optimization for Facial Geometric Detail Recovery,” in *International Conference on 3D Vision (3DV)*, 2021 [\[pdf\]](#)
- **A. Chatziagapi**, G. Paraskevopoulos, D. Sgouropoulos, G. Pantazopoulos, M. Nikandrou, T. Giannakopoulos, A. Katsamanis, A. Potamianos, and S. Narayanan, “Data Augmentation Using GANs for Speech Emotion Recognition,” in *Interspeech*, 2019 (**oral**) [\[pdf\]](#) [\[US patent\]](#)

Technical Skills

Programming	Python, C/C++, MATLAB, UNIX Shell Scripting
Software Tools	PyTorch, Keras/TensorFlow, NumPy, OpenCV, Scikit-learn, Git

Languages

English (fluent), **French** (intermediate), **Greek** (native)

Honors and Awards

Grant from Amazon Prime Video , Computer Vision Lab, Stony Brook University	2021 - 2023
ISCA Travel Grant , Interspeech 2019, Austria	Sept. 2019
Erasmus Intern Traineeship Program , Switzerland	Sept. 2017 - March 2018
Honors, ranked 1st in math and science courses , I.M. Panagiotopoulos, Greece	June 2011

Other Activities

Co-organizer , CVPR 2025 Workshop on Deep Learning Theory [link] , TN	June 2025
Volunteer , IEEE 2018 Workshop on Spoken Language Technology, Greece	Dec. 2018
Deep Learning Specialization , deeplearning.ai, Coursera	April 2018