

Aggelina Chatziagapi

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Education

PhD in Computer Science

Aug. 2020 - Aug. 2025

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

Captions

Aug. 2025 - Present

Member of Technical Staff

New York, NY

- Research in multi-modal (text-to-audio, text-to-video) large-scale foundation diffusion models

Computer Vision Lab, Stony Brook University

Aug. 2020 - Aug. 2025

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 *ICCV*, 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