

# Aggelina Chatziagapi

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## Education

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### 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

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### Mirage

Aug. 2025 - Present

*Member of Technical Staff*

*New York, NY*

- Research in multi-modal (text-to-speech, 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 humans
- Audio-driven talking face video synthesis and expression transfer (with **Amazon Prime Video**) [\[link\]](#)
- 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 talking avatars in conversations [\[link\]](#)

### 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 [\[link\]](#)

### Meta Reality Labs

May 2022 - Nov. 2022

*Research Scientist Intern & Student Researcher*

*Seattle, WA*

- Research in multi-modal (audio-visual) 4D face reconstruction [\[link\]](#)

### 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

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- **A. Chatziagapi**, L.-P. Morency, H. Gong, M. Zollhöfer, D. Samaras, and A. Richard, “AV-Flow: 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

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

## Languages

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

## Honors and Awards

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<b>NSF Travel Grant</b> , Doctoral Consortium, ICCV 2025	<i>Oct. 2025</i>
<b>Grant from Amazon Prime Video</b> , Computer Vision Lab, Stony Brook University	<i>2021 - 2023</i>
<b>ISCA Travel Grant</b> , Interspeech 2019, Austria	<i>Sept. 2019</i>
<b>Erasmus Intern Traineeship Program</b> , Switzerland	<i>Sept. 2017 - March 2018</i>
<b>Honors, ranked 1st in math and science courses</b> , I.M. Panagiotopoulos, Greece	<i>June 2011</i>

## Other Activities

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<b>Oral presentation (spotlight)</b> , Greeks in AI 2025, Greece	<i>July 2025</i>
<b>Co-organizer</b> , CVPR 2025 Workshop on Deep Learning Theory <a href="#">[link]</a>	<i>June 2025</i>
<b>Volunteer</b> , IEEE 2018 Workshop on Spoken Language Technology, Greece	<i>Dec. 2018</i>
<b>Deep Learning Specialization</b> , deeplearning.ai, Coursera	<i>April 2018</i>