

# Andreas Psaroudakis

📍 Zurich, Switzerland   ✉ andreaspsaroudakis@gmail.com   🌐 andreaspsaroudakis.github.io   📞 (+30)6980299484

## EDUCATION

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### National Technical University of Athens (NTUA), Greece

Sept 2016 – Feb 2022

Diploma in Electrical and Computer Engineering (5-year joint BSc & MEng degree; 300 ECTS)

- Admission ranking in the School of Electrical and Computer Engineering (ECE): 1<sup>st</sup>
- Overall GPA: 9.22/10 “Excellent” (estimated at top 3-5% among graduating class)
- Area of Specialisation: Information Technology
- Streams: Computer Systems & Signals, Automatic Control and Robotics & Computer Software
- Diploma Thesis: “Data augmentation: Testing the effectiveness of the mixup technique in affective computing tasks in-the-wild”, supervised by NTUA professor Stefanos Kollias and co-advised by assistant professor of Queen Mary University of London Dimitrios Kollias ~ Grade 10/10

### 1<sup>st</sup> General Lyceum of Preveza, Greece

Sept 2013 – June 2016

General Lyceum Apolytirion

- GPA: 20/20 (Valedictorian)
- 2<sup>nd</sup> highest nationwide marks for the Scientific field “Positive and Technological Sciences” in Greek University Entrance Examination (19,653/20,000)

## RESEARCH AND WORK EXPERIENCE

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### Undergraduate Research and Teaching Assistant

May 2021 – Feb 2022

Artificial Intelligence and Learning Systems Laboratory, NTUA

- Laboratory teaching assistant for the course “Neural Networks and Intelligent Systems”
- Conducting research on human affect recognition tasks using Deep Learning Models
- Working on both small and large-scale facial databases (e.g. RAF-DB, AffectNet) that are manually annotated for the presence of seven discrete facial expressions (categorical model)
- Upon thesis, proving the effectiveness of mixup data augmentation technique in various expression recognition contexts in-the-wild using Deep Learning Architectures

### Private Tutor, Athens

Sept 2018 – June 2019

Mathematics, Physics and Programming

- Tutored high school students in Mathematics and Physics
- Remedial teaching of Mathematics and Programming in preparation for the University Entrance Examination

## HONORS AND AWARDS

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Honorary distinctions and awards from the university and other organisations for achieving the highest University Entrance Examination marks in my school, my prefecture and for being admitted 1<sup>st</sup> in ECE at NTUA

**Award of “The Fighters of the Polytechnic in November 1973” (800€) | NTUA** 2016

**Award “The Great Moment of Education” (800€) | Eurobank EFG** 2016

**Honorary Distinction by President of Greece for the “Best of the Best” | Eurobank EFG** 2016

**Regional Union award | Preveza Municipality** 2016

## PUBLICATIONS

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[1] **Andreas Psaroudakis**, Dimitrios Kollias, “MixAugment & Mixup: Augmentation Methods for Facial Expression Recognition”, 2022 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW) - [link](#)

## SKILLS

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**Programming:** Python, Matlab, C/C++, SQL, Prolog, L<sup>A</sup>T<sub>E</sub>X

**Machine Learning Frameworks:** TensorFlow, Keras, scikit-learn, PyTorch

**Libraries:** OpenCV, Pandas, NumPy, SciPy, Matplotlib

**Extracurricular:** Table tennis, Football, Chess

## LANGUAGES

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**English** (Fluent): Certificate of Proficiency (University of Michigan), IELTS: 8/9 (Very Good User)

**German** (Intermediate): Zertifikat B1 (Goethe-Institut e.V.)

**Greek** (Native)