

# Panagiotis Papantonakis

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Github: [github.com/panagiotisp](https://github.com/panagiotisp)

Personal Site

## EDUCATION

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- **National Technical University of Athens** Athens, Greece
  - BSc/MEng in Electrical and Computer Engineering (5-year joint degree; 300 ECTS) *October 2015 - November 2021*
    - GPA: 9.16/10 ( $\approx$  top 5%)
    - Concentration: Computer Software, Computer Systems, Signals, Automatic Control and Robotics
    - Master's Thesis: "Singing Voice Separation using Waveform-Level Deep Neural Networks", supervised by professor Petros Maragos
- **Front-End Web Developer Nanodegree Program, Udacity** Online
  - Online Course offered by Udacity *November 2017 - August 2018*
    - Scholarship granted after excelling in Udacity's FEND Challenge 2018
    - Acquired intermediate knowledge on Front-End development with HTML, CSS, Javascript using ReactJS

## SKILLS SUMMARY

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- **Programming Languages:** C++, Python, JavaScript, C, SQL
- **Frameworks and Tools:** Pytorch, NodeJS, ReactJS, UE5, LaTeX, Git
- **Databases:** MongoDB, MySQL
- **Languages:** Greek (native), English (C2, University of Michigan)
- **Soft Skills:** Teamwork, Persistence in Task Solving, Easy Adapter, Fast Learner

## EXPERIENCE

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- **GraphDeco, INRIA** Sophia-Antipolis, France
  - Pre-Doc Internship *February 2023 - July 2023*
    - Working on improving the memory footprint of a point-based, radiance field technique.
- **CVRL, FORTH** Heraklion, Greece
  - R&D Engineer *March 2022 - December 2022*
    - Implemented a physics-based FLIP simulator in C++ (using OpenVDB 9) and UE5.
    - Participate in various development activities within the DECISMAR project.
- **Hypernetica** Remote
  - Junior Software Developer *April 2020 - August 2021*
    - Developed the full stack of a web application for a customer project.
    - Primarily using JavaScript technologies including React, NodeJS and MongoDB.
- **Google Summer of Code - GFOSS** Remote
  - Student Developer (Full-time) *May 2019 - Sep 2019*

## PUBLICATIONS

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- Panagiotis Papantonakis, Christos Garoufis, and Petros Maragos, "Multi-band Masking for Waveform-based Singing Voice Separation", EUSIPCO 2022 (poster)
- Panagiotis Papantonakis, Fotios Fitsilis, Sotiris Leventis, and George Mikros, "Xtralingua: An open-source tool for extracting quantitative text profiles" in DH, 2020 (poster)

## HONORS AND AWARDS

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- **Christos Papakyriakopoulos & Nikos Kritikos Awards by NTUA** - For excelling in Mathematics courses in the freshman year (GPA 10/10).
- **"The Great Moment of Education" Scholarship by Eurobank EFG** - For Outstanding Performance in the Panhellenic Admission Test.
- **Participant of Edutrip 2017 in University of Berkeley** - As part of an one week exchange program, I was selected, along with 3 others, to visit School of EECS in University of Berkeley. We attended multiple courses and visited many companies in Silicon Valley.

## VOLUNTEER EXPERIENCE

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- **IEEE Student Branch, NTUA** Athens, Greece
  - Member - Volunteer *November 2015 - January 2017*
    - Teaching Assistant in Arduino workshops for NTUA's students
    - Member of the Logistic Team of CanSat in Greece 2017 competition