



# Vasiliki Mantiou

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**Date of birth**: 11/01/1993 **Nationality**: Greek

## WORK EXPERIENCE

[ 02/01/2024 – Current ]

### ICT research consultant

*3rd Hellenic Health Region*

**City**: Thessaloniki

**Country**: Greece

[ 02/01/2024 – Current ]

### University research assistant

*Lab of Medical Physics and Digital Innovation School of Medicine Aristotle University*

**City**: Thessaloniki

**Country**: Greece

## EDUCATION AND TRAINING

[ 01/10/2022 – 31/01/2024 ]

### Msc Medical Engineering and Informatics (MEI)

*School of Medicine Aristotle University of Thessaloniki* <https://mei.med.auth.gr>

**City**: Thessaloniki

**Country**: Greece

**Final grade**: 9.41

**Thesis**: Design, development and validation of an agonist antagonist pair sEMG flexible PCB

[ 01/10/2011 – 12/10/2021 ]

### Bachelor's degree in Electronics Engineering

*Alexander Technological Educational Institute, Department of Electronics Engineering TA* <https://www.iee.ihu.gr/en/access/>

**City**: Thessaloniki

**Country**: Greece

**Final grade**: 6.32

**Thesis**: Three axis accelerometer using the PIC18F4550 microcontroller

### Deep Learning Specialization

*Deep Learning Specialization* [www.coursera.com](https://www.coursera.com)

### Data Science Certification

*IBM* [www.coursera.com](https://www.coursera.com)

## LANGUAGE SKILLS

**Mother tongue(s)**: Greek

Other language(s):

**English**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

**French**

**LISTENING B2 READING B2 WRITING B1**

**SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## **DIGITAL SKILLS**

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Microsoft Office | Google Drive | Social Media | programming: Python, MATLAB and SQL | Programming(C ++ and PIC) | KiCAD , Altium CAD tools | Advanced biomedical image processing methods | Computerised instruments, bioindicators, biosensors | electronics design/repair (focus on Arduino and Raspberry Pi)

## **CONFERENCES AND SEMINARS**

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[ 06/10/2023 – 08/10/2023 ]

**DESIGN AND DEVELOPMENT OF A SURFACE ELECTROMYOGRAPHY SENSOR FOR AGONIST ANTAGONIST MUSCLE PAIR MONITORING. V. Mantiou, K. Mitsopoulos, A. Athanasiou, P. B. Bamidis. poster presentation, 10th Panhellenic Conference of Biomedical Technology, ELEVIT**

Thessaloniki

[ 11/05/2023 – 13/05/2023 ]

**EEG: MACHINE LEARNING TECHNIQUES IN THE STUDY OF DIFFERENCES OF THE FUNCTIONAL CONNECTIVITY OF THE BRAIN, BASED ON AGE AND SEX. oral presentation 49th Panhellenic Medical Congress, Athens, Medical Society of Athens, 11-13 May '23**

Athens