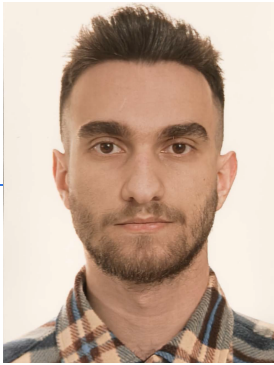


# Dimitrios Minas



## PERSONAL DETAILS

**Full name:** Dimitrios Minas  
**Date of birth:** 22/02/2003  
**Address:** Strati Mirivili 7, Thessaloniki, Greece  
**Email:** dimitrovitsm@gmail.com

## EDUCATION

**2026**      **Diploma in Information and Electronic Engineering (Integrated Master)**  
**School of Engineering**  
**Department of Information and Electronic Engineering**  
International Hellenic University  
*Thesis: "Study and Development of an Optical Microscopic Measurement System"*

## RESEARCH ACTIVITY

Research in electronic systems, sensors, embedded systems, optical measurement systems, and IoT applications.  
Participation in developing research setups and systems combining electronic circuits, sensors, microcontrollers, and data processing and analysis.

## SCIENTIFIC PUBLICATIONS

**2026**      **Minas, D.; Tsiakmakis, K.; Hatzopoulos, A.T.; Tsintotas, K.A.; Vassios, V.; Papadopoulou, M.S.**  
*"Optical Microscopy for High-Resolution IPMC Displacement Measurement."*  
Sensors, 2026, 26(2), 436. DOI: 10.3390/s26020436

## CONFERENCES

**Dec. 2025**      **D. Minas, K. Tsiakmakis, A.T. Hatzopoulos, M. S. Papadopoulou, and V. Vassios**  
*"An Online Framework for Quality Control, Anomaly Detection and Auto-Calibration of Hourly Air-Quality Data from an IoT Sensor Node,"*  
in Proceedings of the 10th International Workshop on Microsystems, Thessaloniki, Greece.

## TECHNICAL SKILLS

### Programming & Software Development

- Python
- C / C++
- Java
- Android application development

### Web Development & Network Applications

- Website and web application development
- Laravel / PHP / HTML / CSS / JavaScript
- Node.js
- REST APIs - Connecting applications and services via APIs

### Databases

- Database design and management
- SQL / MySQL

### Internet of Things, Microcontrollers & Embedded Systems

- Internet of Things (IoT)
- Embedded systems
- Interfacing microcontrollers with sensors and actuators
- Sensor data acquisition using microcontrollers
- Microcontroller-based measurement systems
- Sensor and actuator interfacing
- Acquisition, logging, and processing of sensor data
- Monitoring and telemetry system development
- Real-time application development
- Integration of IoT systems with cloud services
- Automation and intelligent systems
- Design of integrated IoT and AI solutions
- Image analysis for measurement and control

### Computer Vision, Machine Vision & Image Processing

- Computer Vision
- Machine Vision
- Digital image processing
- Object detection and recognition
- Camera-based measurements

### Sensors, Measurements & Data Acquisition

- Sensor systems
- Measurement of physical quantities
- Measurement acquisition and logging
- Measurement data processing
- Sensor data analysis
- Sensor calibration
- Evaluation of measurement accuracy and repeatability - Measurement error analysis
- Design of measurement and monitoring systems

### Data Analysis & Artificial Intelligence

- Data processing and analysis
- Machine learning applications using real-world data
- Pattern and anomaly detection (Pattern & Anomaly Detection)
- Predictive Analytics
- Sensor data analysis using AI techniques
- AI-based decision support systems
- Development of intelligent data-driven applications

## LANGUAGES

**Greek**  
**English**

Native language  
B2-level certification (Lower)