

Frisela Skendaj

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EDUCATION & CERTIFICATIONS

University of West Attica

Master of Engineering - MEng in Electrical & Electronics Engineering

Oct 2018 - Dec 2023

First Class - Honours

University of Cambridge

IELTS Academic

May 2024

University of Michigan

C2 Certificate of Proficiency in English

December 2016

SKILLS

C/C++	MATLAB	Mathematics & Physics	Project Management
Microcontrollers (Arduino, ESP32)	OriginPro	Statistics, Probabilities & Data Analysis	Time Management
Electronic Circuit Assembly	MS Office	Research	Teamwork
Embedded Systems	AI Algorithms	Teaching & Tutoring	Effective Communication
Soldering	Flexible/Printed Electronics	KPI Management	Hardworking

PROFESSIONAL EXPERIENCE

Teesside University

Online Tutor (Electrical & Electronics Engineering)

Mar 2024 - Present

UK., Remote

- Deliver academic support for HNC/HND students in Electrical & Electronics Engineering modules, including Electrical Power Systems, Operational Amplifiers, Sustainable Energy Supply, and the Final Project.
- Learning material implementation and presentations via MS Office tools.
- Provide assignment guidance, feedback, student progress tracking, monthly KPIs and grading/marketing.
- Course delivery via Brightspace and Blackboard VLEs.
- Effective communication with students and staff via Outlook and MS Teams.

Centre for Bioengineering & Biomedical Technologies, University of Bath

Intern | Laboratory Researcher

May 2023 - Oct 2023

Bath, UK

- Participated in the development and research of flexible PCB non-invasive glucose sensor devices.

microSENSSES Laboratory, University of West Attica

Laboratory Research Assistant

Jul 2022 - Oct 2023

Athens, Greece

- Co-authored an abstract on flexible strain sensors with screen-printed electronics under varying temperatures, presented at the MicroNano 2022 International Conference.
- Developed a prototype flexible skin-temperature sensor with printed electronics, an ESP32 MCU and a user-friendly wireless interface. The device was implemented using screen-printing technology with thermochromic inks, carbon, and silver materials, designed as a preventive tool for heatstroke and skin cancer.
- Co-authored and submitted a scientific poster of the skin-temperature sensor at the International ISFOE 2023 Conference.
- Presented a scientific poster at the International MicroNano 2023 International Conference, highlighting the correlation between thermochromic ink color changes and sensor temperature readings of the skin-temperature sensor with printed electronics.
- Participated in the International OpenConf Conference.

Self-Employed

Private Tutor (Electrical & Electronics Engineering | Mathematics & Physics)

Mar 2020 - Oct 2022

Athens, Greece

- Provided online tutoring in Electrical & Electronics Engineering during COVID-19, supporting my fellow students in exam preparation and academic progress.
- Tutored primary and secondary students in Mathematics and Physics

PROJECTS

Electrical & Electronics Engineering

- Wearable flexible skin-temperature sensor with printed electronics** (C/C++, ESP32/Arduino, VS Code, Screen-Printing, Electronic Circuits)
- Robotic Vehicle with Automatic Watering Plant System** (C/C++, Arduino, Robotics, Electronic Circuits)
- Detection System** (MATLAB Simulink, Arduino, Electronic Circuits)
- AI Multiple Layer Perceptrons - MLPs for CPU & Spam Email Detection** (AI, MLPs, Linear Regression, Pattern Recognition, MATLAB)
- Device Vendor Finder Application** (C#, VS Code)

Bioengineering, Statistics & Data Analysis

- Modeling and Analysis of Blood Viscosity for Biofluid Dynamics in Capillary Systems** (Biofluid Mechanics, Viscosity Models, MATLAB)
- Human Movement Analysis: Gait and Muscle Force Dynamics** (Solid Mechanics, Kinematics, Kinetics, MATLAB)
- Statistical Analysis of Bacterial Growth Dynamics.** (Probabilities, Statistical Models & Tests, Data Analysis, MATLAB)