Athanasios Papias

Software Developer, Hardware Developer and IoT Engineer

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WORK EXPERIENCE

Software Developer – MSensis / I.H.U.

4/2023-present
Software Developer at MSensis S.A., in collaboration with the International Hellenic University in the research program: "Innovative robotics system for the provision of reception services in hospitality areas - E-Reception", Thessaloniki, Greece.

Internship

7/2022-8-2022
Project Intern at the NeuroSuitUp/Heroes project in the Laboratory of Medical Physics and Digital Innovation, Medical School of Aristotle University of Thessaloniki, Greece.

Voluntary Work

12/2016
Judge at the exhibition section of the 3rd Student Robotics Festival of Greece, organized by the Regional Directorate of Primary and Secondary Education of Central Macedonia, Thessaloniki, Greece.

EDUCATION

Computer Science Student (BSc, MSc)

9/2016 – (Expected first half of 2023)
College Student of the Department of Computer Science and Engineering, University of Ioannina, Greece.

Intergrated MEng thesis topic
Implementation of a Switched Mode Power Supply (SMPS), controlled by an STM32 microcontroller.

PUBLICATIONS

Neurotechnology Publication

3/2023
"NeuroSuitUp: System Architecture & Validation of a Motor Rehabilitation Wearable Robotics & Serious Game Platform", MDPI, Sensors 2023, 23(6), 3281

CONTINUOUS TRAINING

Certificates

16/02/2023 - Today
IBM Full Stack Software Developer Certificate Courses.

Competitions

15-17/9/2022
SAN 2022 (Society of Applied Neuroscience), Poster participation, Subjects:"Developing clinical phenotype-driven neurofeedback serious game for ADHD" & "Developing a modular power supply for a wearable robotic device for neural rehabilitation", Thessaloniki, Greece

24/2/2022, 25/2/2021, 1/3/2018, 23/2/2017
Participation in the Online Qualification Round of «Hash Code» Competition organized by Google, (best score 457.283 pts).

14/10/2017
Participation in the IEEEXtreme 11.0 24-hour programming competition of IEEE (Institute of Electric and Electronics Engineers).

11/2013 – 3/2014
Participation in the online competition «Young Business Talents 2013», organized by Nivea and PRAXIS MMT Corp.

IBM Developer Skills Network — Cloud Computing Core — Powered By coursera — IBM Digital Credential

IBM Developer Skills Network — Web Development with HTML, CSS, JavaScript Essentials — Powered By coursera — IBM Digital Credential

IBM Developer Skills Network — Git and GitHub Essentials — Powered By coursera — IBM Digital Credential

IBM Developer Skills Network — Front-end Development with React — Powered By coursera — IBM Digital Credential

IBM Developer Skills Network — Node and Express Essentials — Powered By coursera — IBM Digital Credential

IBM Developer Skills Network — Developing Applications with SQL, Databases, and Django — Powered By coursera — IBM Digital Credential

Athanasios Papias

Computer Science and Engineering Student, University of Ioannina, Greece

8-9/3/2014

Participation in the FLL (First Lego League) Education Robotics and Innovation Competition of Greece 2013-2014, organized by FIRST, LEGO and eduACT, Thessaloniki, Greece.

HONORS

Prizes won

3/2014

1st place at the FLL (First Lego League) Education Robotics and Innovation Competition of Greece 2013-2014, organized by FIRST, LEGO and eduACT, Thessaloniki, Greece.

3/2014

2nd prize at the Informatics Part of Annual Science and Technology Conference "ACSTAC" of Anatolia College of Greece for the presentation titled: "Antiseismic device using Arduino".

Honorable Mentions

11/2013 – 3/2014

Participation in the semi-finals of the online business and administration competition «Young Business Talents 2013», organized by Nivea and PRAXIS MMT Corp.

FOREIGN LANGUAGES

English

Excellent knowledge (Level C2). Degree: Certificate of Proficiency in English of the University of Michigan.

Good knowledge (Level B2). Degree: Cambridge ESOL Level 1 Certificate in ESOL International.

German

Good knowledge (Level B1). Degree: Goethe-Zertifikat B1 – Goethe Institut.

TECHNICAL SKILLS

Hardware

Assembly (MIPS and ARM architecture), Drivers, Peripherals, Arduino Microcontroller, STM32 Microcontroller, Raspberry Pi (and similar SoC), Lego Mindstorms EV3, EEG device, Microsoft Kinect, Wearable IoT sensors.

Software

Unity, MATLAB/Octave, ROS1/2 (Robot Operating System), Android Studio, IBM Cloud, Git/GitHub, GNS3, Altera Simulation Tools, Visual Studio, Eclipse, SketchUp, Adobe Photoshop, Drupal, Wordpress, Jira.

Operating Systems

Microsoft Windows 11/10/7, Linux (Debian, RedHat and Arch based), Android, good knowledge of Linux/Unix kernel & commands.

Programming Languages

Excellent knowledge
Python, Python math and data processing libraries (sklearn, numpy, scipy, pandas, seaborn), Java, C/C++, Arduino C, HTML5, CSS3.

Good knowledge
C#, Kotlin, MySQL, Verilog, VHDL, XML, Javascript (Angular, React.js), Django.

SOFT SKILLS

Problem Solving   Communication

Teamwork   Leadership   Responsibility

Resistance to Stress   Active Listening

INTERESTS

Video Games, Travelling, Social Media, Sports, DIY crafts.