



Panagiotis Boutos

ID: A01281944 | **Work permit:** Greek | **Date of birth:** 04/05/2000 |

Place of birth: Thessaloniki, Greece | **Nationality:** Greek | **Gender:** Male | **Phone number:**

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ABOUT ME

Passionate about medical research, artificial intelligence in healthcare and innovation. Problem solver, inquisitive and perfectionist.

WORK EXPERIENCE

01/2025 – CURRENT Kea, Cyclades, Greece

RURAL DOCTOR

Diagnosing and treating common illnesses: Rural doctors often handle a wide range of medical conditions, from minor ailments to more serious diseases.

Emergency care: They may need to manage urgent situations, such as trauma, heart attacks, or childbirth.

Preventive care: Promoting health education, vaccinations, and disease prevention within the community.

11/2024 – 01/2025 Syros, Cyclades, Greece

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12/2020 – 05/2021 Thessaloniki, Greece

INTERNSHIP CENTRE FOR RESEARCH & TECHNOLOGY HELLAS

Literature Review: Conducting literature reviews to gather relevant information and keep up to date with scientific advancements.

Data Collection and Analysis: Assisting in gathering data for experiments, field studies, or surveys and analyzing the results using statistical methods or specialized software.

Experimentation: Setting up and running experiments, testing prototypes, or supporting ongoing research projects.

EDUCATION AND TRAINING

10/2018 – 07/2024 Thessaloniki, Greece

SCHOOL OF MEDICINE Aristotle University of Thessaloniki

Website <https://aristotlemedical.edu.gr/> | **Final grade** 8.38/10 | **Level in EQF** EQF level 6

09/2015 – 06/2018 Thessaloniki, Greece

HIGH SCHOOL Hellenic College of Thessaloniki

Final grade 20/20 | **Level in EQF** EQF level 4

Final grade 19 and 12/13 | **Level in EQF** EQF level 2

● **LANGUAGE SKILLS**

Mother tongue(s): **GREEK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	C1	C1	C1	C1	C1

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

● **DIGITAL SKILLS**

Problem Solving Skills. ... | Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | data processing and analysis software: imagej (advanced) | Data Science | Data Collection, Data Processing, Data Analysis, Data Visualisation | presentation softwares | Graphic design and layout | Social Media including Facebook , WhatsApp and Twitter | Online Collaboration Tools | Experience in MATLAB, python, and R | C, C++ C# | IBM Statistical package for Sciences (SPSS)

● **DRIVING LICENCE**

Driving Licence: B

● **HOBBIES AND INTERESTS**

Mathematics

Mathematics Enthusiast – Passionate about advanced mathematical concepts, particularly **Algebraic Number Theory and Game Theory**. I enjoy exploring the deep structures of numbers, prime factorization in number fields, and their applications in cryptography. In Game Theory, I analyze strategic decision-making, Nash equilibria, and their real-world applications in economics and artificial intelligence. I actively engage in problem-solving, mathematical proofs, and theoretical research, constantly refining my analytical and logical reasoning skills.

● **PROJECTS**

2023 – CURRENT
Idiopathies' Extinction

A new methodology of multifactorial diseases gene mapping using genetic linkage analysis

2024 – CURRENT
AI and Melanoma Diagnosis

The aim of this study is to develop and evaluate a machine learning-based AI tool for **nevi** classification as either benign or malignant.

2024 – CURRENT
Game Theory and Cancer

A game theory model of Cellular Dynamics and Adaptive Therapy.

● **HONOURS AND AWARDS**

2024
Best Oral Presentation Award – 42nd Orthopedic Congress of O.T.E.M.A.TH.

"Comparative Effectiveness of VR vs Video Training in Total Hip Arthroplasty Among Medical Students"

2024

Award for "Best Clinical-Laboratory Study" – Dean's Office of Aristotle University of Thessaloniki at the 13th Scientific Medical Conference

"Artificial Intelligence and Melanoma: A Diagnostic and Predictive Model for Melanoma Development"

2022

5th place – Global AI Debate Competition (S-DECOS)

2021

Winner of the Innovation for Health Competition – IEEE Greece

2021

Entrepreneurship and Innovation Award – 10th Scientific Medical Conference of A.U.Th.

2020

1st Prize for Best Undergraduate Research Paper – 9th Scientific Medical Conference of A.U.Th.

2015

Award for Innovation, Research and Robotics – Panhellenic FLL Robotics Competition

● **CONFERENCES AND SEMINARS**

2024

Speaker at the 3rd Panhellenic Conference on Pediatric and Adolescent Rheumatic Diseases

"Health Applications for Children and Adolescents"

2024

Poster Presentation at the 13th Scientific Medical Conference of A.U.Th.

"Biomarkers of Psychiatric Disorders: Theoretical Framework, Categories, Examples, Limitations, and Future Research Directions"

2024

Oral Presentation at the 13th Scientific Medical Conference of A.U.Th

"Artificial Intelligence and Plastic Surgery: A Model for Assessing Aesthetic Facial Procedures"

Oral Presentation at the 13th Scientific Medical Conference of A.U.Th

"Triage of Ambulatory Patients with Acute Pain in the Emergency Department Using Artificial Intelligence"

2024

Oral Presentation at the 13th Scientific Medical Conference of A.U.Th

"Learning Curve to ROSA: Cases Needed to Equalize Surgery Time Between a Robotic-Assisted and a Manual Total Knee Arthroplasty in Patients with Osteoarthritis".

2024

Oral Presentation at the 33rd Conference on Continuing Education in Pediatrics

"Gianotti-Crosti Syndrome or Papular Acrodermatitis of Childhood in a 4-Year-Old Child"

2023

Oral Presentation at the 32nd Panhellenic Pulmonology Congress

"Evaluation of Respiratory Function in COVID-19 Recovered Patients"

2023

Oral Presentation at the 33rd Panhellenic Surgery Congress

"Comparison of ChatGPT-3.5 and GPT-4 as Potential Tools in AI-Assisted Clinical Practice in Renal and Liver Transplantation"

2023

Poster Presentation at the 6th Panhellenic Congress on Biomedical Technology

"Doctors', Students', and Patients' Attitudes and Perceptions of the Electronic Medical Record (EMR) in Light of Current Developments"

2023

Oral Presentation at the EFORT Orthopedic Congress

"Learning Curve to ROSA: Cases Needed to Equalize Surgery Time Between a Robotic-Assisted and a Manual Total Knee Arthroplasty in Patients with Osteoarthritis"

2022

Oral Presentation at the 25th Panhellenic Urology Congress

"The Effect of Patient Education on Pain During Prostate Biopsy"

2022

Speaker at a roundtable discussion at the 11th Scientific Medical Conference of A.U.Th.

"Artificial Intelligence in Surgery"

2022

Oral Presentation at the 11th Scientific Medical Conference of A.U.Th.

"Game Theory and Vaccination A Predictive Model of Vaccination Trends"

2020

"Virtual Reality Reusable E-Resources for European Healthcare Education" (CoViRR) seminar

2020

Research Methodology Seminar

2017

Speaker at the 9th International Mathematics Week

● **PUBLICATIONS**

2024

[Effectiveness of virtual reality compared to video training on acetabular cup and femoral stem implantation accuracy in total hip arthroplasty among medical students: a randomised controlled trial.](#)

2023

[The learning curve to ROSA: cases needed to match the surgery time between a robotic-assisted and a manual primary total knee arthroplasty](#)
