CURRICULUM VITAE

Benjamin Papadakis

Resident doctor in cardiology · Agentic software developer

Profile

Medical doctor, graduate of the University of Crete School of Medicine, currently a resident doctor in cardiology. BSc in Biology, Biomolecular Sciences and Biotechnology, with a thesis in computational biology, laboratory training at IMBB-FORTH and a publication in the Journal of Clinical Neuroscience. Alongside medicine, expert in agentic software development, leading teams of AI agents built on technology such as Claude Code to create a broad portfolio of web applications in medicine, education and business, and bespoke in-house software that automates and standardises an organisation's everyday work. Native speaker of German and Greek, with English as a further language.

Professional experience

Current — **Resident doctor in cardiology**

Education and training

Sep 2017 – Mar 2025 — **Medical degree**
University of Crete, School of Medicine, Heraklion, Greece
- Final grade 7.14

2016 — **Entrance examinations for medicine**
University of Crete, Greece

Sep 2011 – Mar 2016 — **BSc in Biology, Biomolecular Sciences and Biotechnology**
University of Crete, Biology Department, Heraklion, Greece
- Final grade 7.51
- Thesis: Circular exon determination by nucleosome positioning (topic in computational biology)

2011 — **National university entrance examinations**
Athens, Greece

2008 – 2011 — **Upper secondary school (Lyceum)**
Apolytirion: 1st General Lyceum Amarousion, Attica, Kos and Athens, Greece
- Academic oriented high school in Greece
- Final grade 18.2

2005 – 2008 — **Lower secondary school (Gymnasio)**
Kos, Greece

1999 – 2005 — **Primary school (Dimotiko)**
Kos, Greece

Research laboratory experience

2014

Practical laboratory training (3 months)
Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology - Hellas (IMBB-FORTH), Heraklion, Greece

- Topic: Assay of pEGFP-C1 constructs that express miR-302-sponge in N-TERA2 cell line
- Supervised by Principal Researcher Androniki Kretsovali

2013

Quarterly laboratory training (3 months)
Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology - Hellas (IMBB-FORTH), Heraklion, Greece

- Topic: Creation of pEGFP-C1 constructs with 2, 4, 8 copies of miR-302 (miR-302-sponge)
- Supervised by Principal Researcher Androniki Kretsovali

Gap periods

Mar 2025 – present

Medical German lessons, BMJ Learning modules, entrepreneurship

Feb 2017 – Aug 2017

German language courses B2, C1.2, C2
Adult Education Centre Mühldorf a. Inn, Munich Adult Education Centre, Germany

2015 – 2017

Preparation for the medical entrance examinations of the University of Crete

- Studied cell biology, genetics, chemistry and medical physics

Publications

2021

Intrameningioma metastasis: A case-based literature review
Journal of Clinical Neuroscience

2020

Intrameningioma metastasis: a case report and literature review
Abstract e-Poster, eEANS2020 Beyond Borders Virtual Congress

Certificates

Sep 2025 – Nov 2025

BMJ Learning certificates
Completed modules

- Basic practical skills: peripheral intravenous cannulation (07/11/2025)
- Basic practical skills: Venepuncture and phlebotomy (07/11/2025)
- Cranial nerve examination (13/10/2025)
- ECG skills: What an ECG is and how to record it (30/09/2025)
- ECG skills: Basic anatomy and physiology of the heart (15/09/2025)
- Erythroderma: recognising and referring (15/09/2025)
- Medical emergencies in primary care: Anaphylaxis (12/09/2025)

Apr 2025

Understanding HIV Infection
Educational seminar accredited by EACCME, Heraklion, Crete

Sep 2020	**Surgical suturing workshop** Hellenic Medical Students' International Committee
Nov 2018	**Basic Life Support** European Resuscitation Council
Aug 2017	**TestDaF-Niveaustufe 4** TestDaF Institut (German B2.2-C1 certificate)
Feb 2016	**Computers proficiency** University of Crete
Nov 2015	**Introduction to Game Development** Michigan State University (Coursera)
Oct 2012	**Attendance certificate, 63rd National Conference** Hellenic Society of Biochemistry and Molecular Biology
May 2008	**First Certificate in English** University of Cambridge, ESOL Examinations

Languages

German	Mother tongue
Greek	Mother tongue
English	Other language (Cambridge First Certificate)

Skills

Agentic software development	Claude Code, Multi-agent orchestration, Elixir / Phoenix, PostgreSQL, OpenAI Realtime API, Stripe, Railway
Digital skills	HTML5/CSS, JavaScript, Python, Django Framework, Vibe Coding
University courses in informatics and statistics	Use of Computers and Biological Databases, Biomathematics, Computational Biology, Introduction to Programming, Introduction in Bioinformatics Programming, Biostatistics, Introduction to Bioinformatics, Basic Principles of Programming, Applications of Informatics in Medicine