

# CHRISTOS MARGIOLIS

## *Curriculum Vitæ*

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LOCATION: Wrocław, Poland  
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## EDUCATION

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2019–PRESENT | Informatics and Computer Engineering (MEng)  
*University of West Attica, Greece*

02–07.2024 | Mathematics and Computer Science  
*University of Łódź, Poland*

## WORK EXPERIENCE

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2023–PRESENT | Programming Contractor  
*Self Employed*  
Systems programming and operating systems development.

2022–PRESENT | Firefighter  
*Hellenic Fire Service*  
Part-time at Fire Station 6 in Athens, Greece.

2022 | Google Summer of Code 2022  
*FreeBSD Project*  
Implemented a new DTrace provider called "kinst" which enables tracing of arbitrary instructions and inline functions in the kernel.

2021 | Postal Worker  
*Hellenic Post*

2021 | Google Summer of Code 2021  
*FreeBSD Project*  
Implemented kernel patches, a new library and rewrote the default mixer program in order to improve FreeBSD's sound mixer capabilities.

2019–2022 | Private Programming Teacher  
*Self Employed*

## ENGINEERING SKILLS

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PROGRAMMING

- Operating systems, device drivers, embedded systems, sound, digital signal processing, ...
- C, C++, Go, Java, ...
- x86, ARM, RISC-V, MIPS Assembly.
- POSIX shell, Python, AWK, JavaScript, ...
- PostgreSQL, pgAdmin.

ELECTRONICS	<ul style="list-style-type: none"><li>• Microchip PIC, Arduino, FPGA.</li><li>• Verilog, VHDL.</li><li>• Able to read and create schematics.</li></ul>
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TECHNOLOGIES AND TOOLS	<ul style="list-style-type: none"><li>• FreeBSD, OpenBSD, Linux, Plan 9.</li><li>• Experience with setting up Web, Git and Email servers.</li><li>• DTrace, GDB.</li><li>• bhyve, QEMU.</li><li>• Git.</li><li>• 2D and 3D Mechanical Engineering Drawing (AutoCAD).</li><li>• Documentation skills using L<sup>A</sup>T<sub>E</sub>X, Mandoc, Troff.</li></ul>
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## LANGUAGES

GREEK	Native <i>Also able to understand Koine and Medieval, and to a lesser extent, Classical Greek.</i>
ENGLISH	C2 <i>University of Cambridge</i>
GERMAN	B2 <i>Österreichisches Sprachdiplom Deutsch</i>
POLISH	B1

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## TALKS/PRESENTATIONS

09.2024	State of the FreeBSD Audio Subsystem <i>FreeBSD DevSummit 09/2024</i> University College Dublin — Dublin, Ireland
03.2024	Arbitrary Instruction Tracing with DTrace <i>AsiaBSDCon 2024</i> Chientan Youth Activity Center — Taipei, Taiwan
09.2023	Arbitrary Instruction Tracing with DTrace <i>EuroBSDCon 2023</i> University of Coimbra — Coimbra, Portugal

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## COURSES

07.2023	Mountain Rope Rescue <i>Hellenic Volunteer Firefighter Association</i>
04.2023	Firefighting in Confined Spaces <i>Hellenic Fire Service &amp; Dräger Fire Dragon</i>
2020	Elements of AI: Introduction to AI <i>University of Helsinki</i>
2019	Nick Johnston: Guitar Clinic <i>Telesound &amp; Schecter Guitars</i>

2018 | Irimi Ketikidi: Instrumental Composition  
*GiG*

2018 | Giannis Loukatos: Introduction to Jazz Improvisation  
*GiG*

## OTHER

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| Driver's License: B

## INTERESTS AND HOBBIES

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Firefighting, music, history, philosophy, theology, linguistics, economics, writing, mountaineering, martial arts.