

Vasilis Mylonas

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Education

University of Patras	Patras, Greece
MEng. in Computer Engineering and Informatics	2022 – (expected: 2027)
Cisco Networking Academy	Online
Cert. Cisco Networking Basics	2025

Projects

Loop github.com/YannisRavasopoulos/ProjectSD__S6 Flutter, FastAPI, PostgreSQL, Docker	2025 – Present
- Collaborated with a team of 5 to develop a multi-platform carpooling application. - Implemented JWT for user authentication. - Utilized the MVVM architectural pattern for state management. - Integrated OpenStreetMaps API for real time maps.	
FBC github.com/VasilisMylonas/fbc C, Flex, Bison	2024 – Present
- Developed a basic C99 compiler frontend. - Used GNU Flex and Bison to create a GLR parser. - Experimented with optimization techniques to understand compiler design.	
TAD KiCAD, LTspice	2024 – 2025
- Designed a Raspberry Pi Pico clone. - Ensured constraints and appropriate ESD protection for USB 2.0 connectivity - Proceeded with fabrication and assembly with JLCPCB	
Personal Website vasilismylonas.com HTML/CSS, JavaScript, Astro, Tailwind	2024 – 2025
- Designed the UI. - Integrated a form for email delivery using Web3Forms. - Deployed using GitHub Pages and Cloudflare services.	

Competitions and Volunteering

SEERC-2024 Contestant	2024
Politehnica University of Bucharest	Bucharest, Romania
Represented the University of Patras in the South Eastern European Regional Contest as part of the team "Crewmates."	
GRCPC-2024 Contestant	2024
University of Patras	Patras, Greece
Achieved first place in the local programming contest and qualified for SEERC.	
ACM UPatras Volunteer	2023-2024
University of Patras	Patras, Greece
Helped maintain and setup the ACM UPatras website.	

Technical Skills

Languages: C/C++, Java, Python, Dart, SQL (PostgreSQL, MySQL), JavaScript/TypeScript, HTML/CSS, MATLAB
Frameworks: React, Node.js, Flutter, FastAPI, Tailwind, Astro
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
CAD/EDA: FreeCAD, KiCAD, Vivado, LTspice

Foreign Languages

Greek: Native
English: MSU-CELP C2
German: Goethe-Zertifikat B2