

# VASILEIOS VARTHOLOMAIOS



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## Date of birthday

03-02-2007

## Website

<https://vasilhs.netlify.app>

## Github

<https://github.com/Vasilhsv>

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## EDUCATION

**BSc Informatics & Telecommunications**, University of Peloponnese, Greece      Oct 2025

- Building a solid base in essential computer science concepts, such as procedural programming, informatics mathematics, and data structures.
- Learning C programming, with an emphasis on memory management, pointer handling, and basic algorithmic logic.
- Working with hands-on lab exercises, using C as a tool to solve complex computational problems and create effective software coding.
- Introducing basic concepts of hardware-software interaction and low-level system architecture

**General High School Diploma**, 2<sup>nd</sup> General High School, Metamorphosi, Athens      Sep 2022 – Jun 2025

- Completed coursework in Information's Technology and Economics, covering subjects such as programming, economic theory and business principles
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## PROJECTS

- **Discord Music Automation Bot**

Created a comprehensive application of a Discord Bot that deals specifically with multimedia management. This involved the utilization of the specified python to connect to the Discord API and the FFmpeg library to encode and stream audio. This project involved the implementation of complex features, including the management of the queue system and permission management, as well as data retrieval from other services (Soundcloud and YouTube). This project demonstrated the ability to handle concurrency and cloud infrastructure.

- **Linux System Administrator & Network Security Project**

Design and development of a VPN Server using WireGuard, integrated with AdGuard DNS for network security management, on the Arch Linux operating system. The project involves the implementation of advanced networking settings (NAT, Port Forwarding), system security hardening using UFW Firewall, and Linux Kernel optimization.

- ✓ **OS:** Arch Linux (Rolling Release Management)
  - ✓ **Security:** WireGuard VPN, UFW (Uncomplicated Firewall)
  - ✓ **Networking:** DNS Filtering (AdGuard), IP Forwarding, NAT Configuration
  - ✓ **Optimization:** Power Management & Systemd Service Masking
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## LANGUAGES

- Greek Native
- English Professional working proficiency