

Nikos Sarmadakis - Software Engineer

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Profile

A passionate software engineer with a BSc in Physics, equipped with a strong foundation in problem-solving and a keen interest in programming. Dedicated to leveraging technical and analytical skills to create innovative software solutions. Known for excellent project work in systems programming and computer graphics.

Education

Aristotle University of Thessaloniki

Bachelor of Science in Physics

Expected Graduation: February 2022

Relevant Coursework: Advanced Programming (C, C++), Data Structures, Algorithms, Operating Systems

Technical Skills

Programming Languages: C, C++, Python, Mathematica

Development Tools: Git, Bash, GNU Make

Technologies: Linked Lists, Fork and Execve, Shell Scripting, Fractals

Soft Skills: Problem Solving, Leadership, Communication, Teamwork

Projects

Minishell

- Developed a mini version of the bash shell.

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- Implemented core features like command execution, piping, and signal handling.
- Gained hands-on experience with system calls and process management (fork, execve).

Pushswap

- Created an efficient number sorting algorithm using a linked list.
- Focused on optimizing sorting logic for diverse input scenarios.

Pipex

- Built a program to execute shell commands using fork and execve.
- Managed multiple processes and inter-process communication via pipes.

Fractol

- Designed a graphical application to generate fractals based on user input.
- Employed advanced mathematical computations and graphical rendering techniques.

Professional Experience

Neotechniki, Thessaloniki

Marketing Department Manager

- Oversee marketing strategies for a small plumbing company.
- Create and distribute promotional emails, manage online advertisements.
- Duration: 2019 - Present

Sani Resort, Chalkidiki

Assistant Sales Consultant

- Interacted with potential customers, conducted sales and marketing reports.

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- Period: 2018 - 2019

Waiter

- Engaged with customers and performed upselling tasks.

- Period: 2016 - 2018

Languages

Greek: Native Speaker

English: C2 Proficiency