Ilias Dimitrakakis

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Computer Science undergraduate passionate about full-stack software development, seeking a hands-on internship in desktop and web application development. Strong foundation in programming, system-level concepts, and cybersecurity, with experience in secure coding practices, cryptography, and web security principles. Proven collaboration and problem-solving skills are demonstrated through academic projects and creative work.

EDUCATION

Computer Science – Software Track

National Kapodistrian University of Athens • GPA: 7.8 / 10   10/2020 - Present

- Developed strong foundations in programming (C,C++, Python, Java), completing various academic projects.
- Gained practical experience in databases and operating systems for efficient data and resource management.
- Studied computer architecture, hardware systems, and systems programming for low-level software insight.
- Gained exposure to web security and cryptography, addressing vulnerabilities such as XSS, SQL injection, and CSRF, and implementing secure coding practices.
- Built, debugged, and optimized code across diverse applications, emphasizing adaptability and problem-solving.

PROJECTS

k-Approximate Nearest Neighbor Search   10/2024 - 02/2025

Built a C++20 research project implementing **Vamana-based graph indexing** for approximate nearest neighbor search, including both a baseline implementation and a **Filtered/Stitched variant** for constrained queries. Implemented graph construction, greedy ANN search, and evaluation against a parallel brute-force baseline, with OpenMP support and modular, testable components.

Locked In - A LinkedIn Clone   06/2024 - 09/2024

Developed the front-end for **LockedIn**, a LinkedIn-style social networking prototype, using **React (Vite)** and **Tailwind CSS** as a first hands-on project for learning front-end development. Implemented core UI features such as user profiles, post/feed views, and basic interactions, consuming a custom **Elixir/Phoenix** JSON API. Used **TanStack Query** for client-side state and data fetching. Focused on component structure and responsive layout, the project is a functional prototype rather than a production-ready platform.

Nanika - Nanny Booking Service   12/2024 - 01/2025

Developed a demo web application for a UI/UX course: a nanny-finding/booking app built with **React (Vite)**, **Tailwind CSS** and **Firebase** as the BackEnd. It supports two roles (parent/nanny): parents search and filter listings, send contact requests, create simple employment agreement records, track voucher-style payment records, and leave ratings; nannies post availability ads, accept or decline requests, and the app archives conflicting ads after an agreement is accepted.

SKILLS

Programming & Scripting Languages: C/C++, Java, Python, JavaScript, SQL, Bash

Web & Frameworks: HTML, CSS, React.js, TailwindCSS, TanStack Query, Laravel

Development Tools & IDEs: Visual Studio Code, Google Colaboratory, GitHub

Operating Systems: Windows, Linux (Ubuntu, Mint, MXLinux)

Documentation & Productivity: LATEX, Markdown, Microsoft Office