Efstratios Koulouris

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Objective: May 2025 Computer Science graduate seeking a challenging role to apply acquired knowledge and practical experience from theoretical and academic foundations supporting information processing. A highly motivated and results-driven individual, able to work and learn as part of a dedicated team.

Education: Bachelor of Science in Computer Science, Minor in Business   August 2021 - May 2025
Indiana University Bloomington at Bloomington, Indiana

Acquired Skills:
Java   Coding and Programming
C/C++   Programming Languages
JavaScript   Data Analysis and Visualization
HTML/CSS   Cloud Computing
Data Structures & Algorithms   Cybersecurity
Object-oriented Programming   Problem-Solving and Analytical Thinking
Operating Systems   Adaptability and Continuous Learning
SQL   PostgreSQL

Academic Honors: Dean's List Fall 2022, 2023

Professional Experience: January 2024 – May 2024

Indiana University Luddy School of Informatics, Computing, and Engineering

System Programming with C and Unix Teacher's Assistant

- Graded assignments, quizzes, and exams and provided feedback to students
- Conducted weekly office hours to provide additional support and assistance to students
- Led lab sessions to address students' questions, clarify concepts, and aid with course material

     June 2024 – August 2024

Bitwise Global Inc. Internship – Backend Developer

- Developed and maintained backend APIs using Java, Spring Boot, and MySQL
- Designed and implemented Data Transfer Objects (DTOs) and Entity classes to support scalable API structures
- Conducted testing of APIs using Postman and JUnit, ensuring functionality and reliability

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Projects & Outside Experience:

Full-Stack Data Visualization   March 2025 - May 2025

Developer

- Implemented with Python, Dash, Plotly, Docker, REST APIs, and Cityscape
- Designed and deployed a multi-container application using Docker Compose to visualize Cristiano Ronaldo's and Lionel Messi's goals per season of their career
- Integrated real-world sports data to demonstrate practical applications of distributed systems

Guitar Inventory   January 2024 - April 2024

Developer

- Designed and implemented a user-friendly interface using HTML, CSS, and JavaScript

- Implemented an "Add Guitar" feature that allows the user to input the brand, model, year, and price
- Implemented RESTful APIs to communicate between the front-end and back-end

Coffee Order   January 2024 - April 2024
Developer
- Created an "Add Order" feature that allows the user to select their preferred coffee type and condiments
- Implemented RESTful APIs to communicate between the front-end and back-end
- Developed server-side logic in Java to handle user requests, validate input data, and execute database operations