

Nikos Valtsiogis

Software Engineer

Motivated college graduate with a Bachelor's degree in Computer Science. Aiming to leverage academic experience and seek opportunities that will broaden my horizons and enrich my skills. Frequently praised as efficient by my peers, i can be relied upon to help your company achieve its goals.

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EDUCATION

Bachelor's degree in Computer Science Aristotle University of Thessaloniki

12/2014 - 11/2020

Thessaloniki, Greece

Courses

- Software Engineering
- Data Structures
- Algorithms
- Thesis: Algorithms for Multi-Objective Optimization
- Operating Systems
- Machine Learning
- Computer Architecture

PERSONAL PROJECTS

Skyline

- Designed the recursive version of the Divide and Conquer (DC) algorithm for finding the ridge (skyline) in sets of two dimensional points at the Euclidean level, using Java.
- Achieved low complexity calculating the skyline in less than 3 seconds for input files of 500000 data, using dynamic programming techniques.
- link: <https://github.com/WalCho/Skyline>.

DVD-Library

- Designed a software library in Java that stores information about a DVD collection, following the MVC design pattern and using dependency injection.
- Allows the user to add, remove, edit, display and search a DVD in the collection.
- Achieved loading the DVD library from a file as well as saving back to the file when the program completes.
- link: <https://github.com/WalCho/DVD-Library>.

WORK EXPERIENCE

Alumni Associate mthree

06/2021 - 08/2021

London Area, United Kingdom

Java Software Engineer Trainee at mthree's Alumni Program. Alumni have been selected for and trained to have an aptitude for learning quickly and problem solving in a highly technical environment.

Trained in:

- Java basics - OOP, Java Collections, Exception Handling, MVC and Functional Programming.
- Unit Testing.
- Understanding Spring Framework Dependency Injection and IoC and Maven.
- Database Concepts - Data Modelling, Normalization Principles and SQL fundamentals.
- Advanced SQL - Subqueries and Views, Schema Optimization, Indexing, Replication and Scaling.

SKILLS

Java

C

Python

SQL

C++

Spring

Maven

XAMPP

HTML5

CSS3

Git

Linux

Matlab

Adobe Photoshop

Optimization Algorithms

ORGANIZATIONS

ACM AUTH Student Chapter (11/2019 - Present)

Member

CERTIFICATES

Blockchain & Smart Contract programming

University of Nicosia

Build a Digital Marketing Plan: Grow Greek Tourism Online

Google

International Conference IMCL2019 on Interactive Mobile Communication Technologies and Learning

IMCL

LANGUAGES

English

Full Professional Proficiency

Greek

Native or Bilingual Proficiency

INTERESTS

Music

Artificial Intelligence

Chess

Snowboarding