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SUMMARY

Computer engineer with passion for software development through flawless source code. Information systems enthusiast, currently working with spring framework and JavaEE. Machine Learning Algorithms explorer, who loves to code AI/ML algorithmic projects from scratch in C++ or with higher abstraction in Python.

COMPUTER SKILLS

Languages

- **Proficient in:** C, C++, Java, Python.
- **Familiar with:** C#, JavaScript, PHP, SQL.
- **New to:** Go, Rust, Swift.

Software

- **Database/Server:** MySQL, SQL Server, MongoDB, Apache, Xampp.
- **Framework:** Qt/C++, JavaFX, Java/Spring, C#.NET.
- **IDE:** Visual Studio, NetBeans, Eclipse, Spyder, IntelliJ.
- **Web Development Technologies(Stack):** html/css/JavaScript, jQuery, Bootstrap Java/Spring, Node.js, PHP/OOPHP, Atom, VS Code, WAMP.
- **AI/ML/DL, Big Data Technologies(Python):** IBM Watson, scikit-learn, Keras, TensorFlow, Hadoop, Spark, NoSQL.

Data Structures / Algorithms

- Strong and in-depth knowledge of the most common algorithms in many fundamental computer science fields.
- Solid Knowledge of 2D and 3D Image Compression. Proficient in Hybrid Quadtrees/Octrees & RLE algorithms and Hybrid Quadtrees/Octrees & B+ Trees algorithms.
- Good Knowledge of AI/ML concepts based primarily on Decision trees, Decision forests, Random forests and Neural Networks.

Other

- Object Oriented Analysis and Design.
- Algorithm Analysis and Design.
- AI/ML Applications Analysis and Design.

- Good Knowledge about Cloud Technologies and Architectures.
 - Solid Knowledge of Object Oriented Patterns.
 - Good knowledge about NLP(Natural Language Processing).
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EXPERIENCE

Software Engineer, (present).

P&I AG

- Analyzing & improving payroll engine functionality with Java & Drools.

Software Developer & Battle Zone Communications

System Operator, 8 months.

Hellenic Army

- Detecting bugs and improving the existing code for Hellenic Drones in C#.Net environment.
- Designed, developed and deployed a cross-platform graphical user interface in Qt/C++ for military files handling.

Computer Technician(internship), 6 months.

Dixons(SE.E.)

- Detecting and solving software/hardware related problems.
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CERTIFICATIONS

- **Java & Spring Academy (120hrs)** – Athens Tech College.
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EDUCATION

Neapolis University,

School of Economics, Business & Computer Science,

Department of Computer Science.

Pafos, Cyprus.

- **MSc(Diploma)** candidate - Information Systems & Digital Innovation. (1,5 years, 90 ECTS)

University of Western Macedonia,

School of Sciences,

Department of Informatics.

(Study program offered by Technological Institute of Western Macedonia.)

Kastoria, Western Macedonia, Greece.

- **BSc(Ptychion)** - Informatics Engineering, focused on Computer Engineering. (4 years, 240 ECTS)
- **BSc Thesis** - Hybrid binary voxel map compression based on volume subdivision and run length encoding, without power of

2 limitations (C++ approach). [[http](#) or [E-mail](#) or [Drive](#)].

- Degree obtained.
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LANGUAGES

- **Hellenic** (Native)
 - **English** (B2)
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PROJECTS

- AI sentiment analysis and NLP(natural language process) project for over 6.000 "live" tweets about COVID-19. [[http](#)].
- (AI/ML) Decision Tree implementation in C++ using CART(Classification And Regression Trees) supervised learning algorithm. [[http](#)].
- Perceptron Neural Network for “Object” separation. [[http](#)].
- File Handling graphical user interface application, written in Qt/C++, for “local”, temporary and fast usage from army’s computers. [[http](#)].
- A mini sorting “library”, C++ approach, using the fastest sorting algorithms compared by sorting speed, in both parallel and serial “environments”. [[http](#)].
- C++/WinRT AI/ML Computer Vision Project for object detection through Window's AI APIs and SqueezeNet pre-trained deep neural network. (C++ Console Application) / (Gui deployed in Qt/C++). [[http](#)].
- Simple TCP Server & Client Implementation in C++/Boost, Java. [[http](#)].
- Voice Commands, Recognition and Reply (C#.NET GUI application). [[http](#)].
- A Modern Shopping Cart using html, OOPHP, bootstrap css framework, and XAMPP. [[http](#)].
- Minimal web application for real time multi-object recognition and detection through ml5.js machine learning API and coco-ssd pre-trained model. [[http](#)].
- Simple voice translator app in python alongside with IBM's Watson AI light versions for NLP. [[http](#)].
- AI/ML C++ Implementation of k-nearest neighbors supervised learning algorithm. [[http](#)].