Ioannis **Athanasiadis**

Machine Perception & AI Engineer

Contact

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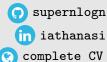
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Interests

Artificial Intelligence
Real Time Systems
Augmented-Virtual Reality
Robotics
Machine Learning
Applications
Computer Vision

Distinguished Skills

C
C++
python
TypeScript
tensorflow pytorch
Scientific-python-stack
Physics Engine Development
Software Architecture
Computer Architecture
Systems Orchestration
Hardware-Software codesign
FreeRTOS
ROS
Matlab

languages

English - (fluent)
German - (basic)
Greek - (native)

 supernlogn
 iathanasi
 complete CV

WORK EXPERIENCE

Jul 2022-now	**Siemens** SOFTWARE ENGINEER · The Hague 📍 Codeveloped an autonomous vehicle simulator. Added dynamics. Added Generative AI capabilities. Modernized legacy code by emplying state-of-the-art architecture and testing
Oct 2022-Jun 2025	**Aility GmbH** COFOUNDER CTO · Lugano Switzerland - Remote 📍 Occupancy systems for hospitality industry
Jun 2021-Nov 2021	**Freelancer** B2B MOBILE APP DEVELOPER · Remote 📍 Built apps for industrial boiler control
Oct 2020-Apr 2021	**Infoteam Informatique Technique SA** AI ENGINEER · Switzerland 📍 Implemented a prediction system for hydroelectric turbine failures based on sensors
Mar 2020-Sept 2020	**ABB Cyber Physical Systems Group** INTERN · Switzerland 📍 Implemented an AI agent for Cyber-Security testing
Nov 2019-Mar 2020	**ETH Zurich** TEACHING ASSISTANT · Switzerland 📍 Composed the projects for D-MATH software engineering curriculum
Nov 2018-Jul 2019	**Greek Army Informatics Research Division** PRIVATE · Greece 📍
Jul 2016-Jul 2017	**Kenotom P.C.** EMBEDDED SOFTWARE ENGINEER · Thessaloniki Greece 📍 Established the world's first industrial grade PLC programmable with microPython as an IoT system via web-interface and connectable to a wide range of devices and sensors

DEGREES

2019-2022	**Computer Science** Msc · Autonomous Systems Lab, ETH Zurich 🏛
2012-2018	**Electrical and Computer Engineering** DIPLOMA · Aristotle University of Thessaloniki 🏛

AWARDS

2016	**Best Electrical & Computer Engineer intern** · Aristotle University of Thess.

ACADEMIC WORK

2018	*Transfer learning with deep convolutional neural networks for object detection used in real-time embedded systems*, Aristotle University of Thessaloniki library.
2019	*Athanasiadis, Ioannis, Panagiotis Mousouliotis, and Loukas Petrou. "A Framework of Transfer Learning in Object Detection for Embedded Systems.",* arXiv preprint arXiv:1811.04863
2024	Master Thesis Supervisor together with Prof. Ferrante Alberto in Università della Svizzera italiana. Computer Science Department, Thesis