



Curriculum Vitae Europass

Informazioni personali

Cognome(i)/Nome(i)

Vannini Andrea

Indirizzo(i)

Telefono(i)

Fax

**Occupazione
desiderata/Settore
professionale**

collaborator of Scuola Superiore Sant'Anna di Pisa

Esperienza professionale

Date

01/04/2019 – CURRENT – Pisa, Italy

Lavoro o posizione ricoperti

SOFTWARE ENGINEER – THE BIOROBOTICS INSTITUTE OF SANT'ANNA SCHOOL OF ADVANCED STUDIES

Principali attività e responsabilità

During my employment for the biorobotics laboratory I have developed the vision software for drones, for the search and interception of a suspended objects.

Developed a communication system between drones on wifi networks, for the coordinated flight of several drones in the same area.

I supervised and maintained both software and hardware the laboratory computers.

I have collaborated with various contributions to the following projects:

- MBZIRC Mohamed Bin Zayed International Robotics Challenge
- SMASH: Smart Machine for Agricultural Solutions Hightech
- FID-U4E (Smart Factory -- Unity 4 Efficiency) Fabbrica Intelligente Diffusa
- InGene: Development and application of an integrated, multiparametric system for early genetic
- diagnosis and personalized treatments in children and adults with neuromuscular diseases
- AUTOMA: a wearable device to assess the upper limb muscular activity in patients with
- neuromuscular disorders
- INGENE 2,0 Development and application of an integrated, multiparametric system for early genetic
- diagnosis and personalized treatments in children and adults with neuromuscular diseases
- National Geographic UAVIMALS: Unmanned Aerial Vehicle Integrated with Micro Airborne Laser Scanner

Nome e indirizzo del datore di lavoro	• VIRMA : Smart agriculture droneusing heterogeneous platforms and AI techniques • 2022 IEEE Autonomous Unmanned Aerial Vehicles (UAV) Competition: A competition where autonomous drones actively track one of several ground robots in a miniature city Omissis																																								
Istruzione e formazione																																									
Date	20/12/2010																																								
Titolo della qualifica rilasciata	Bachelor Degree																																								
Principali tematiche/competenza professionali possedute	SCIENZA E TEORIA DELL'INFORMATICA																																								
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione	Università degli Studi di SIENA Facoltà di Scienze Matematiche Fisiche e Naturali, Siena (Italia)																																								
Livello nella classificazione nazionale o internazionale	26 - CLASSE DELLE LAUREE IN SCIENZE E TECNOLOGIE INFORMATICHE																																								
Capacità e competenze personali																																									
Madrelingua	Italian																																								
Altra(e) lingua(e)	English																																								
Autovalutazione																																									
Livello europeo (*)																																									
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Ascolto		Lettura		Interazione orale		Produzione orale																																			
	C1		C2		B2		B2		C1																																
	(*) Quadro comune europeo di riferimento per le lingue																																								
Capacità e competenze sociali	I'am a great teammate I can cooperate in projects involving many people, both as a subordinate and as a leader. But at the same time, if required, I can autonomously develop an entire project.																																								
Capacità e competenze informatiche	Development of complex robotic systems, such as self-navigation drones. Machine Learning and Deep Learning frameworks Tensorflow Keras PyTorch Python Linux C++ C Microsoft Office LaTeX Machine Learning Computer Vision OpenCv Proficient in Python Java Javascript C C++ and some knowledge of Matlab Parallel Programming (CUDA OpenMP) Robotic Operative System (ROS) ROS Gazebo																																								
Ulteriori informazioni	17/11/2020 – 17/11/2022 BLSD - Basic Life Support Defibrillation Cardiopulmonary resuscitation course and use of the semi-automatic defibrillator for all age groups for non-professional personnel																																								