

Curriculum Vitae Europass

Informazioni personali

Cognome(i)/Nome(i) **YEGANEHFALLAH / AZADEH**

Occupazione desiderata/Settore professionale

Researcher in Structural Health Monitoring and Artificial Intelligence

Esperienza professionale

Date	Nov.2022-presente
Lavoro o posizione ricoperti	PhD student
Principali attività e responsabilità	Research in INDUSTRIALE IN ANALISI E CONTROLLO DI STRUTTURE E OPERE D'ARTE INFRASTRUTTURALI
Nome e indirizzo del datore di lavoro	Scuola Superiore Sant'Anna, Pisa, Italia
Tipo di attività o settore	Research / Academia
Date	2019 – 2022
Lavoro o posizione ricoperti	Research Assistant (Remote & Part-Time)
Principali attività e responsabilità	Assisting Master of Science Students thesis in the field of structure and construction management
Nome e indirizzo del datore di lavoro	Rahe Danesh Institute of Higher Education, Babol, IRAN
Tipo di attività o settore	Research / Academia
Date	01/08/2018 – 30/03/2019
Lavoro o posizione ricoperti	Structures inspector
Principali attività e responsabilità	- Assisting in Babolsar two Bridges vibration base health monitoring and execution - Responsible for doing field studies on the bridge's current damage - Assisting in Vibration base health monitoring using BeanAir Accelerometer and Tiltmeter Xrange sensors in the experimental phase as a team member - Modeling the bridge by CSI Bridge program. - Presenting the model to the seismic specialist to compare and apply the damages. - Evaluating the possible retrofitting method for these types of bridges
Nome e indirizzo del datore di lavoro	Mazandaran's Governor's Office, Mazandaran, IRAN
Tipo di attività o settore	Structural Engineering
Date	01/08/2016 – 30/06/2018
Lavoro o posizione ricoperti	General contractor in construction
Principali attività e responsabilità	- Responsible for the A-Z steps of constructing a client's building - Following and attaining all the legal permission and the blueprints for the building - Arranging a timetable based on the contract - Doing procurement logistics and organizing small contractors for each part of the project

Nome e indirizzo del datore di lavoro	Self employed, Babol, IRAN
Tipo di attività o settore	Structural Engineering
Date	10/01/2015 – 30/06/2016
Lavoro o posizione ricoperti	Construction project manager
Principali attività e responsabilità	- Overall coordination of project activities, with both technical and managerial responsibilities. - Structural issue resolution: identified deficiencies in concrete flexural strength and defined a new cost-effective, accurate, and feasible concrete mix design. - Conducted on-site investigations to select appropriate strengthening schemes ensuring performance and executability. - Reorganized operational phases and reassigned tasks to recover delays caused by project interruption. - Reviewed blueprints and technical specifications to ensure proper execution and prevent recurring mistakes. - Collaborated with multiple contractors and implemented process improvements to optimize time and cost efficiency. - Having weekly meetings with internal team members to monitor project progress, identify requirements, and ensure successful and efficient project completion
Nome e indirizzo del datore di lavoro	ARIAN SAEED IND GRP INC-ARSH POOYA, Sari, IRAN
Tipo di attività o settore	Structural Engineering
Date	01/01/2014 – 01/12/2014
Lavoro o posizione ricoperti	Steel Bridge Analyzer and designer
Principali attività e responsabilità	Steel Bridge Analyzer and designer in a flood located place in North of Iran - Doing hydrological research of the bridge location and finding the best place regarding the previous floods which have destroyed two times the two constructed bridges on that location. - Modeling the bridge on the CSI BRIDGE program considering the AASHTO LRFD codes. - Designing the element manually by coding on the Excel VBA Macro programming which leads to creating an optimum design both in cost and feasibility to execute.
Nome e indirizzo del datore di lavoro	Mazandaran's Governor's Office, Sari, IRAN
Tipo di attività o settore	Structural Engineering
Date	01/05/2012 – 30/11/2013
Lavoro o posizione ricoperti	Supervisor of structure and foundation analysis and design
Principali attività e responsabilità	- Analyzing and designing more than 150 short to high-rise concrete and steel building, using CSI ETABS and CSI SAFE base on Iranian National Building regulations. - Implementing manual design coding using C++ program for special bending frames, saving on more than 12 hours of manual design per structure and enhancing the clients' satisfaction due to higher accuracy and less time consumption. - Assigning and following a timetable for all the project from the architectural idea to the end of completed structural blueprints.
Nome e indirizzo del datore di lavoro	Shahran Saze Afagh Company, Babolsar, IRAN
Tipo di attività o settore	Structural Engineering
Date	01/01/2014 – 01/01/2016
Lavoro o posizione ricoperti	Member of the Women's Committee
Principali attività e responsabilità	Member of the Women's Committee in Engineering Organization of BABOL, holding practical construction process visits for women engineers each season, organizing women's health education seminars and planning recreational and educational camps for several days
Nome e indirizzo del datore di lavoro	Engineering Organization of BABOL, IRAN
Tipo di attività o settore	Volunteering activity

Istruzione e formazione

Date	2022-presente
Titolo della qualifica rilasciata	PhD Candidate in INDUSTRIALE IN ANALISI E CONTROLLO DI STRUTTURE E OPERE D'ARTE INFRASTRUTTURALI
Principali tematiche/competenza professionali possedute	AI for Structural Health Monitoring, Crack Detection and Measurement, Computer Vision, Deep Learning, Concrete Structures.
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione	Scuola Superiore Sant'Anna, Pisa, Italia
Date	08/2024-03/2025
Titolo della qualifica rilasciata	Visiting Researcher
Principali tematiche/competenza professionali possedute	- Validated crack width measurement methods on experimental specimens - Testing and validating the crack semantic segmentation, length and width measurement pipeline on a concrete laboratory test specimen
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione	RWTH Aachen University, Germany
Date	09/2021-11/2021
Titolo della qualifica rilasciata	Ph.D student awarded with Grant
Principali tematiche/competenza professionali possedute	Smart Structural Health Monitoring
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione	Chungbuk National University South Korea
Date	2099-2012
Titolo della qualifica rilasciata	Master of Science (MSc) in Structural Civil Engineering
Principali tematiche/competenza professionali possedute	Structural Analysis, Reinforced Concrete & Steel Design, Seismic Engineering, Finite Element Methods. (Final mark obtained: 18.34 (out of 20) (First Class))
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione	Babol Noshirvani University of Technology, Iran – University
Date	2005-2009
Titolo della qualifica rilasciata	Bachelor of Science (BSc) in Civil Engineering
Principali tematiche/competenza professionali possedute	Fundamentals of Civil Engineering, Structural Mechanics, Concrete & Steel Structures, Surveying, Construction Materials. (Final mark obtained: 16.55 (out of 20) (Distinction))
Nome e tipo d'organizzazione erogatrice dell'istruzione e formazione	University of Mazandaran, Iran

Pubblicazioni scientifiche

Journal	A. Yeganehfallah, C. A. Avizzano, and S. Caprili, Automated Crack Identification, to Ease Maintenance of Reinforced Concrete Bridges , Procedia Structural Integrity, vol. 62, pp. 201–208, 2024.				
Conference	A. Yeganehfallah, C. A. Avizzano, S. Caprili, and A Yeganehfallah, AI-driven crack analysis for structural health monitoring of ECC: a laboratory study , COMPDYN, Rhodes, Greece, 2025.				
Conference	A. Yeganehfallah, C. A. Avizzano, and S. Caprili, Automated Crack Identification, to Ease Maintenance of Reinforced Concrete Bridges , FABRE24, Genova, 2024.				
Conference	A. Yeganehfallah, J. Vaseghi, and H.A. Begi, Seismic Evaluation of Hybrid Coupled Walls , 9th Int. Civil Engineering Congress, Isfahan, 2012.				
Other Contribution	Contributor to Persian translation of Bridge Engineering: Design, Rehabilitation, and Maintenance				
Certificazioni e abilitazioni	05/2013 Awarded Iranian supervision and calculation certificate (structure analysis and design), Iranian organization for engineering order of building				
Capacità e competenze personali					
Madrelingua	Persian(Farsi)				
Altra(e) lingua(e)	English, Italian				
Autovalutazione					
Livello europeo (*)					
Lingua					
Lingua					