

Iraj ESMAEILI

PERSONAL DATA

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WORK EXPERIENCE

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| JAN 2020 - SEP 2020 | <p>Deputy Contracts Manager at ODCC (OIL DESIGN AND CONSTRUCTION COMPANY), Abadan, Iran
Abadan Refinery Upgrading Project (1.4B\$, ODCC and SEI China Consortium)</p> <p>Developing contractual payment procedures and invoice preparation methods, Managing contractual issues, Attending managerial meetings, Coordinating tasks with Project Director and Site Manager, Managing the Contracts department with 12 employees.</p> |
| DEC 2017 - DEC 2019 | <p>Contracts Engineer at ODCC (OIL DESIGN AND CONSTRUCTION COMPANY), Abadan, Iran
Abadan Refinery Upgrading Project (1.4B\$, ODCC and SEI China Consortium)</p> <p>Preparing tender documents, Out-sourcing and hiring contractors, Preparing various invoice formats (lump sum, unit price, etc.), Reviewing contractors' invoices and issuing for payments, Analysing prices of the new work items, Managing and settling contractual claims.</p> |
| JUN 2017 - NOV 2017 | <p>Site Manager at BETON GOSTAR, Arak, Iran
Sabzab-Rey Oil Pipeline Project</p> <p>Managing Sub-contractors, Coordinating QA/QC/Site Surveying/Technical Office/Project Planning Departments, Managing site activities, Managing material supply and procurement, Holding/participating in the meetings with consultant and owner.</p> |
| DEC 2016 - MAY 2017 | <p>Project Planning and Controlling Manager at BETON GOSTAR, Neyzar, Iran
Qom III Gas Turbo Compressor Station Project (600K\$, Concurrent with Sabzab-Rey Pipeline Project)</p> <p>Monitoring project progress and initiating creative proposals for reaching out project milestones and maintaining proper EV cash flow.</p> |
| MAY 2016 - MAY 2017 | <p>Project Planning and Controlling Engineer at BETON GOSTAR, Arak, Iran
Sabzab-Rey Oil Pipeline Project (Involved in construction of 3 Pump Stations worth 8M\$)</p> <p>Preparing project schedules, Preparing invoices (Lump sum), Preparing daily and weekly reports, Preparing and updating PMS, Attending meeting with consultant and owner.</p> |
| MAY 2015 - APR 2016 | <p>Civil Technical Office Engineer at ABAD RAHAN PARS, Bandar Abbas, Iran
Persian Gulf Star Gas Condensate Refinery (82M€)</p> <p>Created and Excel VBA regarding Bar Bending Schedules of collection pits accelerating calculation and preparation time, saving costs, and increasing quality.</p> <p>Preparing MTOs and BOQs, Reviewing drawings and issuing TQs, Evaluating sub-contractors invoices, site visiting and preparing interfaces.</p> |
| MAR 2014 - APR 2015 | <p>Professional Teaching at SHARIF UNIVERSITY OF TECHNOLOGY, Tehran, Iran</p> <p>Teaching Assistant (TA) of "IT in Construction" module
Teaching Primavera P6 Basics
Teaching Visual Basic in "Construction Operations Simulation" module</p> |

EDUCATION

OCT 2020 - Now	Master in BUILDING INFORMATION MODELLING (BIM A+) Polytechnic University of Milan, Italy (Thesis) University of Minho, Portugal (Coursework) Thesis: "Construction Digital Twin: A Framework for a General Contractor" Advisor: Prof. Marco TRANI (in collaboration with Webuild SpA)
SEP 2013 - JAN 2016	Master in CONSTRUCTION ENGINEERING AND MANAGEMENT Sharif University of Technology, Iran Thesis: "Identification and analysis of root causes of construction cost overruns" Advisor: Dr. Hamed KASHANI GPA: 3.81/4.0
SEP 2009 - SEP 2013	Bachelor in CIVIL ENGINEERING University of Sistan and Baluchestan, Iran GPA: 3.67/4.0 Final Projects: Reinforced Concrete Structures Design Project Steel Structures Design Project Road Design Project Water and Sewage Engineering Project

COMPUTER SKILLS

Good Knowledge:	Revit Architecture, Microsoft Project, Python, AutoCAD, Autodesk Navis Works, Primavera P6, Excel, Word, PowerPoint
Basic Knowledge:	Dynamo, Revit structure, Revit MEP, BIMCollab, Solibri Model Checker, Machine Learning, Simplebim, C#, Access, \LaTeX

CERTIFICATES

2020	Work experience certificate with "EXCELLENT" grade as a contracts expert
2019	"EXCELLENT quality level" certificate in staff performance evaluation 2019
2017	Managing construction projects in large-scale employer organizations certificate
2015	Project management basics in 16 hours (based on PMBOK) certificate
2014	Construction equipment management conference
2013	TADKAR quantity surveying software certificate

ACHIEVEMENTS

2013	Ranked among the top 2% of participants in the nationwide masters degree entrance exam of National Universities of Iran
2013	First Ranked in Bachelor graduation

RECENT COURSES

2021	Machine Learning with Python, Information resources, Revit Structure (ongoing) Complete Machine Learning Course (ongoing), Revit MEP (ongoing)
2020	Revit Architecture 2020, Dynamo Level I, Dynamo Level II Python in Dynamo, Python Course, Leadership and soft skills BIM on the perspective of a Structural Engineer, \LaTeX

LANGUAGES

PERSIAN: Mothertongue
ENGLISH: Fluent (IELTS)
ARABIC: Basic Knowledge

ORGANIZATIONAL AND SOFT SKILLS

Developing leadership skills through managing a team of 12 people at work
Enhancing coordination skills through managing several sub-contractors
Strengthening confidence through participating in managerial meetings
Gaining decision making skills through dealing with top managers at the company

PUBLICATIONS

Esmaeili, I., and Kashani, H. (2021). "Managing cost risks in oil and gas construction projects." ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering. Submitted

Esmaeili, I., and Kashani, H. (2017). "Identifying and analysing the root-causes of construction cost overruns." the 10th civil engineering national conference, Tehran, Iran.

INTERESTS AND HOBBIES

Complementary medicine; EFT Certificate Holder,
Traditional Poems, SETAR Musical Instrument,
Mountain climbing,
Volunteer works,
Soft skills