

DIMITRIS KALAPODAS

MECHANICAL ENGINEER | 3D DESIGN

Limassol, Cyprus
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SUMMARY:

write a cool/quick summary

Notes for the rest:

1. about timeline(keep or not)
2. what about previous uncorrelated jobs?
3. template: pixels on output :/ (premium fix?)

EDUCATION:

UNIVERSITY OF PATRAS Oct 2014 - Sept 2021

MSc | Design and Manufacturing

Fields of Study: Systems, Automation, Robotics, Design Theory, 3D Design, FEM, Time series Analysis, Statistics, SHM, NDTs

BSc | Mechanical Engineering

DIGITAL SKILLS:

CATIA V5 | SOLIDWORKS | ANSYS | MATLAB | C++

PERSONAL SKILLS:

- Greek Native Speaker, English Proficient User
- Analytical thinking, High problem solving capacity, High ability to integrate in teams
- Metalworking, 3D printing, Chess, Running, Yoga, Meditation, Reading, Photography

PROJECTS:

DESIGN, ANALYSIS AND PRODUCTION OF A THREE WHEELED VEHICLE

Design (3D part and assembly design), Analysis (ANSYS, Through the theory of machine elements), Production (Self made), Future Ideas: Optimization and Redesign of Shock Absorbers system

CUSTOM SINGLE-SIDED SWINGARM FOR A HONDA C50/6V 1969 MOTORCYCLE

3D design and assembly, FEM analysis of the swing arm in Static load scenario, Future ideas: Production of the swing arm, 3d scanning parts, 3D of the whole motorcycle

LAYOUT DESIGN FOR RECOGNITION AND MOVING BOXES FROM/TO STORAGE SPACE

Problem analysis, data collection, criteria definition, Fundamental design (AS/RS), Storage space design (3D geometry, stress analysis), Moving mechanism 3D design, Neural Network proposal for managing input and output of boxes

KINEMATIC ANALYSIS AND TRAJECTORY PLANNING OF STAUBLI TX2-60L ROBOT

Denavit-Hartenberg parameters calculation, Inverse Kinematics and Jacobian matrix calculation, Trajectory planning: "Welding in straight line" with RMRC algorithm

STOCHASTIC ANALYSIS AND MODELING OF A THREE DOF SYSTEM

Normality test, Stationarity test, Non-parametric analysis, Parametric analysis via ARMA models

REFERENCES:

KOSMIDIS IOANNIS

Project Manager, TERNA SA
ikosmidis@terna.gr

CHONDROS THOMAS

Associate Professor,
chondros@mech.upatras.gr

MALEFAKI SONIA

Assistant Professor,
smalefaki@upatras.gr

FASSOIS SPILIOS

Professor,
fassois@mech.upatras.gr

WORK EXPERIENCE:

SITE MECHANICAL ENGINEER March 2023 - Current

TERNA SA | Vasilikos Power Station CCGT Power Plant

- Chief of Demineralized Water Tank Construction & Erection
- Monitor Electromechanical erection and commissioning of multiple systems (Gas turbines, HRSG, Fuel oil treatment)
- Progress meetings, discuss and suggest technical proposals
- Organization, submission, storing and preservation of mechanical equipment according to standards
- Perform Inspections and tests accordingly to ITP procedures
- Contribution on the "as build" documentation and design procedure

HIGH SCHOOL PRIVATE TUTOR Sept 2021 - July 2022

Self Employed

Fields of Tutoring: Mathematics, Physics, Chemistry

SUPERVISOR OF THE COMPUTER CENTER OF THE MECHANICAL AND AERONAUTICS DEPARTMENT

University of Patras April 2020 - March 2021

Computer Troubleshooting, technical support and maintenance of computers, student support

ERASMUS+ INTERNSHIP | OFFICE ENGINEER

TERNA SA Nov 2019 - March 2020

- Contribution on the 3D design of the piping system
- Preparation of technical and material submittals