Rafal Lukaszewski

MSc in Energy Engineering

☐ +33 603299785;+48 695180590

🌐 Relocating for opportunity

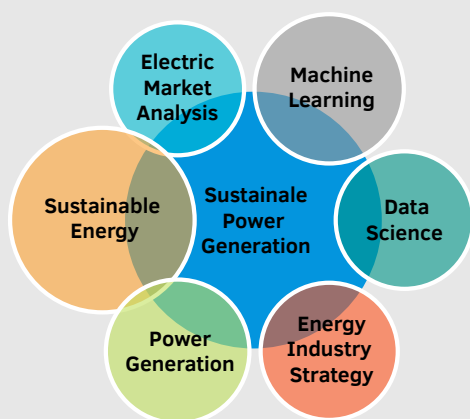✉ rafal.lukaszewski123@gmail.com

in rafallukaszewski

○ 3HeadedMonkey

Interests

Skills

Python • Pandas • Skit-Learn

Microsoft Office • Matlab

Data Science • Machine Learning

Nuclear energy • Power Engineering

Languages

• Polish (Native)

• English (Fluent)

• French (Fluent)

• German (Basic)

Education

Double Master Dergree in European Master in Nuclear Energy(EMINE)
EIT - InnoEnergy Dual Degree Program

INP, Grenoble Institute of Technology: 08.2017-08.2018
Master Sciences et Génie des Materiaux(Master of Sciences)   Grenoble, France

Thesis: Modélisation thermique d'un four d'essai sur combustibles irradiés à hautes températures.
Relevant courses:Material Science, General approach to energy, , Description and operation of NPP

KTH, Royal Institute of Technology: 08.2016-08.2017
Teknologie masterexamen (Master of Sciences)   Stockholm, Sweden

Relevant courses:Electric market analysis, Industrial management,Behavioural management Leadership for Safety in the Nuclear Energy Industry

Ing. in Power Engineering   10.2012-02.2016
PWr, Wroclaw University of Technology   Wroclaw, Poland

Thesis Project of a solar thermal dish collector
Relevant courses: Metrology, Automatics, Thermohydraulics

Experience

FEM Calculations Intern   Apr - Sep 2018
CEA Cadarache   Saint Paul-lez-Durance, France

Developed a good understanding of a test furnace calibration technique by redesigning its digital heat flow model, using COMSOL.

Power Generator Factory Intern   July - Aug 2015
Alstom Power   Wroclaw, Poland

Organized work-flow and assisted in eliminating bottlenecks of stator model line for power generators.

Additional courses and summer schools

Management Summer School   July 2017
Grenoble Ecole de Management   Grenoble, France

Core subjects: Energy economics, Strategy and Innovation in the Energy Sector, Intellectual Property Strategy

Online Learning courses   March-October 2018

Accomplished popular Stanford University Machine learning course using Matlab

University of Michigan course on data science and data visualization in python

Additionally between February-June 2016 on Wroclaw University of Technology I've accomplished following relevant courses: Macroeconomic modeling, Theories and practice of prognosis (using Gretl) and Energy Management

Extra-curricular activities and scholarships

IAESTE, International association for exchange students for technical experience

Coordinated local Job Raising Project 2015 by organizing work of a group of 30 and sustaining good cooperation with industry representatives.
Assisted in industry-led series of case study courses (Case Week Project)

Scholarships

Innoenergy student scholarship, PWr Special Scientific Scholarship