

# CURRICULUM VITAE



## PERSONAL DATA

Name

**TANYO IVANOV TANEV**

Address

**1784, SOFIA, BULGARIA,**

Cell number

E-mail

**tanio\_ivanov@yahoo.com**

Nationality

Bulgarian

Date of birth

Key notes regarding the job application

*Considerable experience in electrical engineering projects and measurements on voltage, with more than 60 of the biggest factories in Bulgaria. Experience with training machine learning models, artificial intelligence interest and courses, presentation of machine learning models in front of customers.*

## PROFESSIONAL EXPERIENCE

- Period
- Company/Organization
- Company Activities
- Position
- General activities and responsibilities

I.2014 – current

Sem Systems Ltd

Projects for improving the quality of electrical supply and saving of electrical energy in factories

Sales engineer for Bulgaria

Finding potential customers (companies and factories with more than 100 million BGN annual turnover), **strategic and operational planning, organizing meetings and presenting the company to the customer management/owners, implementing the preliminary measurements under voltage (0,4 kV and 6/10/20 kV – through measurement circuits.** Measured more than 60 factories of the biggest in Bulgaria) needed for offer preparation, presentation of the offer, contract negotiations and closure, machine learning model preparation, needed for the result confirmation, confirmation of the project results, technical support and communication with engineering team and external partners before, during and after project implementation, responsibility till the final project payment. Technical maintenance after project completion.

Electrical Engineer Certified with electrical safety IV group of total V, according to Bulgarian legislation, for work and measurements under voltage up to 1 kV.

- Period
- Company/Organization

VI.2012 – I.2014

Freelance electrical engineering designer

<ul style="list-style-type: none"> <li>• Company Activities</li> </ul>	<p>Designing the electrical part of various kind of projects, direct relationship with the investor, Project manager, other related engineering and technology designers.</p>
<ul style="list-style-type: none"> <li>• Position</li> </ul>	<p>Chief Designer engineer</p>
<ul style="list-style-type: none"> <li>• General activities and responsibilities</li> </ul>	<p>Designing the electrical part of factories, farms, buildings, Concrete Complete Transformer Stations, photovoltaic power plants, electrical calculations for choosing the apparatuses and cables, designing the light system, designing the lightning protection system, preparing the Bill of Quantity</p>
<ul style="list-style-type: none"> <li>• Main projects</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Factory for manufacturing of PVC details, Ihtiman, Bulgaria with installed power consumption of 589,1 kW LV internal and MV electrical supply including Complete Concrete transformer station</b></li> <li>• <b>Ten Photovoltaic power plants each with installed power capacity of 200 kWp, Lom district, Bulgaria, in total 2 MWp</b></li> <li>• <b>Two Farms for cultivation of eels, installed power of 187,4 kW LV internal grid, with photovoltaic power plant for own needs with 132 kWp installed capacity and MV power supply including Complect Concrete transformer station – Lom, Montana - Bulgaria</b></li> <li>• <b>Two Farms for cultivation of seaweed with installed power of 857 kW and 1565 kW respectively, LV grid and MV electrical supply including Complect Concrete transformer station – Lom, Bulgaria</b></li> </ul>
<ul style="list-style-type: none"> <li>• Period</li> </ul>	<p>XII.2009 – I.2014</p>
<ul style="list-style-type: none"> <li>• Company/Organization</li> </ul>	<p>Hyundai Heavy Industries Co. Bulgaria AD</p>
<ul style="list-style-type: none"> <li>• Company Activities</li> </ul>	<p>Power transformers and tap changer manufacturing</p>
<ul style="list-style-type: none"> <li>• Position</li> </ul>	<p>Sales and project manager, international market</p>
<ul style="list-style-type: none"> <li>• General activities and responsibilities</li> </ul>	<p><b>Photovoltaic equipment sales (from December 2009 till August 2012, with more than 16 million of euro total sells), power transformers sales, preparing tender documents, making reports for the senior management of the company, communication and negotiating with clients, preparation of contracts, preparation and participation in exhibitions, managing the invoicing to customers and suppliers process, organizing of transportation, supporting the elaboration and implementation of the company strategy to expand market share, tracking the actions of competitors, monitoring the changes in the legal framework, project management, coordination and communication with the related departments in the company; Fastest big PV contract – in 2011 a signed contract for 1 million BGN for 3 days, including remitted advance payment.</b></p> <p><b>Responsible for photovoltaic department team from February, 2012 till August, 2012.</b></p>
<ul style="list-style-type: none"> <li>• Period</li> </ul>	<p>VIII.2008 - IX.2009</p>
<ul style="list-style-type: none"> <li>• Company/Organization</li> </ul>	<p>High Voltage Laboratory of Technical university - Sofia</p>
<ul style="list-style-type: none"> <li>• Company Activities</li> </ul>	<p>Designing electrical installations for buildings, cable lines and concrete transformer stations, Lightning protection system analysis, Engineering.</p>
<ul style="list-style-type: none"> <li>• Position</li> </ul>	<p>Laboratory assistant</p>
<ul style="list-style-type: none"> <li>• General activities and responsibilities</li> </ul>	<p>Designing LV electrical installations for buildings, MV cable lines and concrete transformer stations, Lightning protection system analysis, Diagnostic of electrical insulation and electrical units. 3 full months assembling high and low current panels and equipment.</p>
<ul style="list-style-type: none"> <li>• Period</li> </ul>	<p>II.2008 - IX.2008</p>
<ul style="list-style-type: none"> <li>• Company/Organization</li> </ul>	<p>Electric city, 1000 Sofia, Alexander Stamboliiski Blvd</p>
<ul style="list-style-type: none"> <li>• Company Activities</li> </ul>	<p>Designing city electrical power grids</p>
<ul style="list-style-type: none"> <li>• Position</li> </ul>	<p>Designer</p>
<ul style="list-style-type: none"> <li>• General activities and responsibilities</li> </ul>	<p>Designing city electrical power grids</p>
<ul style="list-style-type: none"> <li>• Period</li> </ul>	<p>VI.2007 - XI.2007</p>
<ul style="list-style-type: none"> <li>• Company/Organization</li> </ul>	<p>Eldesign, 1000 Sofia, Alexander Stamboliiski Blvd</p>
<ul style="list-style-type: none"> <li>• Company Activities</li> </ul>	<p>Designing electrical installations for buildings</p>
<ul style="list-style-type: none"> <li>• Position</li> </ul>	<p>Junior designer</p>
<ul style="list-style-type: none"> <li>• General activities and</li> </ul>	<p>Design of building electrical installations</p>

## EDUCATION

<ul style="list-style-type: none"> <li>• Education period</li> <li>• Name and type of educational institution</li> <li>• Basic courses and skills</li> </ul>	<p>3.2015 – four year of study, not finished, by correspondence</p> <p>Technical University of Sofia</p> <p>Photovoltaic power plants, Machine Learning, methods of energy storage, photovoltaic inverters, photovoltaic power plants with energy storage system, <b>models and simulation of the PV plants with battery energy storage. Implemented in MATLAB. Three IEEE conference published articles</b></p>
<ul style="list-style-type: none"> <li>• Major</li> <li>• Name and type of the acquired degree</li> </ul>	<p>four year of study <b>by correspondence</b></p> <p>Ph.D.</p>
<ul style="list-style-type: none"> <li>• Education period</li> <li>• Name and type of educational institution</li> <li>• Basic courses and skills</li> </ul>	<p>XI.2008 - VI.2010, Three-semester course of study, completed</p> <p>Technical University of Sofia</p> <p>Transients in power systems, Coordination of insulation, Diagnostics in electrical power systems, Power electronics, Special electrical materials, Economic of electro energetics, Management;</p>
<ul style="list-style-type: none"> <li>• Major</li> <li>• Name and type of the acquired degree</li> </ul>	<p>Three-semester of Master course of Electrical engineering</p> <p><b>Master degree in Electrical engineering</b></p>
<ul style="list-style-type: none"> <li>• Education period</li> <li>• Name and type of educational institution</li> <li>• Basic courses and skills</li> </ul>	<p>XI.2008 - XI.2011, six-semester course of study, completed</p> <p>Technical University of Sofia</p> <p>Management, Management of human resources, Finances, Marketing, Marketing management, Marketing communications, Strategic management, Business planning and control, Organization of production;</p>
<ul style="list-style-type: none"> <li>• Major</li> <li>• Name and type of the acquired degree</li> </ul>	<p>Six-semester Master course of Business administration</p> <p><b>Master degree in Business administration</b></p>
<ul style="list-style-type: none"> <li>• Education period</li> <li>• Name and type of educational institution</li> <li>• Basic courses and skills</li> </ul>	<p>IX.2004 - VII.2008, Eight-semester course of study, completed</p> <p>Technical University of Sofia</p> <p>Electrical stations and substations, Electrical grids and systems, Protective relaying, Short circuits, Electrical machines and devices, Transient stability of power systems, Electrical supply, Remote control of electrical power units, Electrical materials;</p>
<ul style="list-style-type: none"> <li>• Major</li> <li>• Name and type of the acquired degree</li> </ul>	<p>Eight-semester Bachelor course of Electrical engineering</p> <p>Bachelor degree in Electrical engineering</p>
<ul style="list-style-type: none"> <li>• Education period</li> </ul>	<p>IX.1999 - VI.2004</p>
<ul style="list-style-type: none"> <li>• Name and type of educational institution</li> <li>• Basic courses and skills</li> </ul>	<p>Geo Milev High School - Stara Zagora</p> <p>Informatics, Programming, Mathematics, English and Physics</p>

## Courses

- Education period
- Name of educational institution
- Main courses and skills

- Certificate
- Sample projects

- Education period
- Name of educational institution
- Main courses and skills

- Name of course

- Certificate
- Sample projects

## MOTHER TONGUE

## OTHER LANGUAGES

- Reading skills
- Writing skills
- Communication skills

## PERSONAL SKILLS

## TECHNICAL SKILLS

## DRIVING LICENSE

## DESIGNING LICENSE

## ADDITIONAL DATA

9-11.2020 – third level of four

Software University

Linear and logistic regression, model training and improvement, tree and ensemble methods, svm, clustering, dimensionality reduction – 6.00/6.00, project first in class.

<https://softuni.bg/Certificates/Details/91894/d00d85ed>

<https://github.com/TanyoTanev/Machine-Learning>

6-8.2020 – second level of four

Software University

Data tiding and cleaning, data visualization, working with images, text and special data, regression models – 5.88/6.00

Data Science, part of **Artificial Intelligence module**.

<https://softuni.bg/certificates/details/86986/5095d8e5>

<https://github.com/TanyoTanev/Data-Science-Projects>

## BULGARIAN

## ENGLISH

excellent

excellent

excellent

Excellent team player, Quick learner, Strong willingness for further personal development, Productive and accurate worker, Responsible and result oriented personality, Positively charged, Ability to work under pressure, Decision making, Adaptability, Creativity, Self-motivation, Sense of humor

Python, MATLAB, Pandas, Sklearn, TensorFlow, Machine Learning, Jupyter Notebook, Django, AutoCAD, Simulink, PV Syst

Category B

Limited designing license in the field of Electrical engineering design

Member of Electrical Engineering Students European association (EESTEC) since 2006 till 2011  
EESTEC Events participations:

1. Workshop "Power Engineering today and tomorrow" entitled "Lack of energy in Europe" Ljubjana, Slovenia
2. Black Sea Summer Exchange – Kiten, Bulgaria
3. Workshop "Feel The Energy" entitled "Renewable Sources of Energy"- Skopie, Macedonia
4. Company training in Hyundai Heavy Industries Korea - photovoltaic modules, inverters, PV market and sales - factory in Ulsan, factory near Seoul, Seoul main administrative building - 5.2010.
5. Training arranged by Hyundai Heavy Industries Co. Bulgaria AD in E-training Ltd entitled "Business sales and negotiations"

Member of The Chamber of engineers in investments designing (KIIP)