



Ullmann

Jan

Student at Faculty of Electrical Engineering (FEE) at University of West Bohemia in Pilsen

EDUCATION

University of West Bohemia FEE - PhD studies

2024 - present

Second year of PhD studies on the topic of heat production from nuclear power plants for industrial purposes, focusing on the use of neural networks in the energy sector (supervisor of doctoral studies professor Radek Škoda).

University of West Bohemia FEE - Master's studies

2022 - 2024

Master's degree focused on power transmission (transmission and distribution networks, distribution equipment). Master thesis on the design of the electrical part of SMR TEPLATOR.

University of West Bohemia FEE - Bachelor's studies

2019 - 2022

Field of study: Electrical Engineering and Power Engineering (Faculty of Electrical Engineering)
Bachelor's studies including theoretical electrical engineering, electrical power engineering and electrical machines. Bachelor's thesis on small modular reactors (SMR) as a replacement for aging coal-fired power plants.

WORK EXPERIENCE

Collaborator in experiments: Research collaborator

08/2023 - Present

CIIRC CTU

Collaboration on laboratory experiments (flowmeter track, PLC control of oil circuit with reservoir, PLC programming to control sensors in the experiment, simulating district heating) at Czech Institute of Informatics, Robotics and Cybernetics; Czech technical university in Prague. Collaboration on evaluation of flowmeter data using visual studio code and python

Scholarship holder

09/2023 - 08/2024

E.GD (E.ON)

Scholarship holder for the last year of study at E.GD - participant in technical lectures and interviews

Project leader

04/2023 - 04/2024

EUTEENS4GREEN - SMR FOR NORTHWEST PART OF CZ

Project leader of the SMR FOR NW CZ project, funded by EUTEENS4GREEN, project focusing on the promotion of small modular reactors in the Karlovy Vary and Ústí nad Labem regions as a replacement for retiring coal-fired power plants through FB/IG pages (FB: "SMR pro čistý severozápad"), creating articles and leading a 4-member team, social media reach of over 30 thousand people + publication of an article in allforpower.cz magazine and local newspapers. The project was co-financed by the European Union, future participation in the final meeting of all Euteens4green projects in Brussels on 04/2024.

Designer of electrical networks

2022-2023

Elektroplan

Design activity in the field of low-voltage house connections, designing replacement of outdoor lines to low-voltage and high-voltage cable networks (creating drawings in AutoCAD2023 and checking dimensions in Sichr, cooperation on projects for CEZ).

SKILLS

- English B2
- Advanced in Python and AutoCAD 2023
- Python - Neural Networks (TensorFlow, PyTorch)