

STANISŁAW KARKOSZ

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📍 Poland

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EXPERIENCE

Member of research team

**Poznań Laboratory of Affective Neuroscience
(SWPS University of Social Sciences and Humanities)**

📅 2020 – present

- Working on chatbot-therapist, that uses natural language understanding, aiming at therapy support.

PHD Candidate Scholarship

**Poznań Laboratory of Affective Neuroscience
(SWPS University of Social Sciences and Humanities)**

📅 2019 – present

- Currently working in project focused on study of improving effectiveness of imagery psychotherapy techniques.

EDUCATION

PHD Candidate in psychology

Doctoral School of Social Sciences and Humanities

📅 2020–present

📍 Warszawa, Poland

MD's in cognitive science

Adam Mickiewicz's University

📅 2014–2019

📍 Poznań, Poland

SKILLS

- Python, with libraries sklearn, pandas, numpy, keras
- Matlab, with toolboxes EEGLAB,SPM
- Experiment technology: Presentations NBS, psychopy, E-prime
- bash, git
- basics of Java, SQL,HTML, CSS, Javascript
- statistics in R,SPSS,JASP
- Project management: Asana

PUBLICATIONS

Karkosz, Jukiewicz (2020) Feature selection for classification in Steady state visually evoked potentials (SSVEP)-based brain-computer interfaces with genetic algorithm
Bio-Algorithms and Med-Systems

PROJECTS

Features selecting genetic algorithm

- Developed EEG signal's features selector for classification in Brain-Computer Interfaces that uses Genetic Algorithm.

Machine Learning in Brain-Computer Interfaces: Conference presentation

- Conducted analysis of various machine learning algorithms in Brain-Computer Interfaces.

Functional connectivity patterns in schizophrenia: Conference presentation

- took part in project that involved fMRI data analysis in FSL. Project aimed in creating classifier that distinguishes schizophrenia brain images from healthy subjects.

Generative Neural Network study

- Conducted study on text as a project with science group

Neural Net developing Genetic Algorithm

- Prepared genetic algorithm that evolves neural net in numpy

EEG studies

- I was involved in plenty EEG studies, acquiring and analyzing data using python, Matlab with Eeglab

Corpora study : internship

- I collected linguistic data for corpora study, conducted on UAM

LANGUAGES

- English C1
- German A1
- French A1

OTHER INFO

- Medium disability
- Organized first ever hackathon for cognitive science students
- Took part in BrainHack, Brain-Computer Interfaces based hackathon
- Head of science group at the University
- writing for Kontra, the student media