

Job offer in NCN research project	
Job title:	PhD student
Period and form of employment:	36 months, NCN research scholarship
Unit Name:	Cryptography Group
Institution:	Institute of Computer Science, Polish Academy of Sciences
Deadline for applications:	05.07.2024

Director of the ICS PAS announces an open grant competition for the position of PhD student in the Cryptography Team. The position relates to work within the project entitled *Data ownership and privacy meet generative neural networks (PRIVNE)*, No. 2023/49/B/ST6/02580, funded by the NCN (National Science Center) under the OPUS 25 funding scheme.

The competition is open to applicants who fulfill the conditions set forth in the NCN regulations (*Regulamin przyznawania stypendiów naukowych w projektach badawczych finansowanych ze środków NCN*, wprowadzony uchwałą rady NCN nr 124/2022 z dnia 1 grudnia 2022 r.), i.e. those without a doctoral degree who are: doctoral students in a doctoral school (within the meaning of the Act of July 20, 2018. Law on Higher Education and Science) OR participants in doctoral studies (within the meaning of the Act of July 27, 2005 Law on Higher Education).

Candidates for this position should meet the following requirements:

- practice in computer programming (knowledge of programming in Python,
- experience in using the deep learning frameworks such as PyTorch,
- fluency at English,
- master's degree in computer science closely related.

Also highly desired:

- experience in research projects in artificial intelligence,
- some knowledge of cryptography

Task description:

PhD student should be involved in most scientific research within the project and the work done during the 3-year period will be the base for his/her PhD thesis. Specifically, a PhD student will work on implementation and optimization of the algorithms, performing computer simulations, data preprocessing but also involved in more creative parts like proposing new membership attacks.

The application should include:

- 1) grant application containing information about the status of a PhD student at a doctoral school or a participant in a doctoral studies program, including the name of the faculty and the name of the higher education institution¹,
- 2) scientific curriculum vitae including past achievements and accomplishments (publications, conferences, research, fellowships, scholarships, awards, experience, participation in workshops, trainings, scientific projects etc.), as well as competence to perform the above tasks.
- 3) a copy of the document confirming the master's degree, as required.

Applications and questions should be addressed to the project principal investigator, Prof. Paweł Morawiecki, by e-mail in pdf files to: pawel.morawiecki@ipipan.waw.pl, with the note "Konkurs na doktoranta PRIVNE".

The deadline for submitting applications is 05.07.2024. Deadline for announcing the results of the competition is 15.07.2024.

Applications will be considered by the Competition Commission appointed by the Director of the ICS PAS. The Commission may invite candidates for an interview. The decision of the Competition Commission is not subject to appeal.

Prof. dr hab. inż. Wojciech Penczek

Director of the Institute of Computer Science, Polish Academy of Sciences

¹Please include the following clause: "I consent to the processing of my personal data for the purposes necessary for the recruitment process at the Institute of Computer Science of the Polish Academy of Sciences".