Matas Pocevicius

A student with applicative experience, and computing skills.

WORK EXPERIENCE

RESEARCH ASSISTANT *December 15th 2018 – present*
Zurich University of Applied Sciences (ZHAW) – Institute of Data Analysis and Process Design, Switzerland

- Research Assistant in Blockchain, Cryptocurrencies, Quantitative Finance and Risk Modelling

TRAINEE *July 2017 – November 2017*
Paul Scherrer Institute (PSI) – SwissFEL Beam Dynamics, Switzerland

- Software development using Python for electron beam measurements and corrections with a graphical user interface.
- Visualization and statistical analysis from the collected data.

ENGINEER *January 2016 – September 2016*
Center for Physical Sciences and Technology – Department of Nuclear Research, Lithuania

- Assemble and maintenance for 250 kV Single Stage Accelerator Mass Spectrometer (SSAMS).
- Radiocarbon data interpretation using different scientific models.

TRAINEE *February 2015*
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- Practice for the construction of the SSAMS at National Electrostatics Corporation in the USA.

TECHNICIAN *June 2014 – April 2015*
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- Co-author of the scientific article [1].
- Poster presentation at the conference Open Readings 2015 [2].
- Data calculation and visualization for scientific articles and posters using OriginPro.

SYSTEM ADMINISTRATOR *Jun 2013 – Mar 2014*
UAB "AgroGis", Lithuania – 50 %

- Working with Microsoft SQL Server databases, manipulating data and creating analysis tools.
- Making desktop and mobile projects with the ArcGIS program packet.
- Providing direct support, and how-to instructions for customers.

ACTIVITIES / INTERESTS

- o Personal advancement in various online courses
- o Actively playing football
- o Interested in chess
- o Machine learning applications
- o Entrepreneurship, cryptocurrency events

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EDUCATION

2016 – 2018	**MSc Biomedical Engineering: Medical Physics** *ETH Zurich, Switzerland*
2012 – 2016	**BSc Physics** *Vilnius University, Lithuania*
2015 – 2016	**Exchange Semester** *Lund University, Sweden*
2015	**Exchange Semester** *Ludwig – Maximilian University (LMU), Germany*

ACADEMIC AWARDS

2015 – 2016	Funded secondments by Vilnius University
2014	Incentive scholarship from Vilnius University

COMMUNICATION SKILLS

ENGLISH	C1	IELTS certificate
RUSSIAN	B1	
GERMAN	A1	
LITHUANIAN	Native	

SOFTWARE SKILLS

GOOD	Python, C++, R, MATLAB, Windows, Linux, macOS, ArcGIS, OriginPro, Microsoft Office.
BASIC	Swift, LaTeX, SQL, BASH, HTML/CSS, JavaScript.

OTHER EXPERIENCE

2015

Participation in the medical physics group at LMU, Germany. Image processing and analysis using MATLAB. Development of a Compton Camera system as a versatile tool for position – sensitive photon detection [3].

2010 – 2012

Multiple times winner of Regional Lithuanian Physics, Chemistry, Math Olympiads.

[1] http://aaqr.org/files/issue/82/content_No6_2016.pdf
[2] http://www.openreadings.eu/wp-content/uploads/2015/03/OR_2015_abstracts.pdf
[3] https://www.researchgate.net/publication/305041297_Commissioning_of_a_Compton_camera_for_ion_beam_range_verification_via_prompt_g_detection_using_low-energy_and_clinical_particle_beams