MATEUSZ KLUCZEK

Personal details

I am self-motivated, committed and determined in achieving my goals. I have clear, logical mind with a practical approach to problem solving. I have firm sense of responsibility. Now I am very interested in combination of mathematical skills and technology in industry.

Nationality: Polish
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Business Experience

I had an opportunity to develop skills in industry and working with Business Intelligence tools. I was responsible for following up with customer requests related to building data warehouses, data management, data schemas as well I was responsible for the analysis and presentation data to the customer

April 2022 – Today   MicroStrategy, Warsaw, Poland
- Creating technical and functional design to support the customer requirements and business objectives
- Creating standalone application and more complex interdependent systems
- Managing and contributing to ALM processes
- Managing databases, SQL, ETL, Relational Databases and Cloud services
- BI Infrastructure and Application ALM

Research Experience

I gained my experience as an independent researcher at international institutes. I started research as a student in Poland. I conducted standalone research in applied mathematics and graduated with a PhD degree in Ireland. Afterwards, I worked as an independent researcher in Israel. The research was fully funded by international research institutions. The research was heavily dependent on numerical simulations.

November 2019 – November 2021   The Technion, Haifa, Israel
- Development of standalone research of complex systems of equations
- Development of solving algorithms and scripts in C++
- Analysis of outcome data using C/C++ extensions
- Increasing the impact of the research by developing it in a new, unexplored direction

October 2015 – September 2019   University College Cork, Cork, Ireland
- Independent research in interdisciplinary Applied Mathematics
- Exact solutions of system of nonlinear equations
- Visual representation of the solutions using MATLAB or Mathematica
- Experience in conducting research in collaborative groups

August 2014 – September 2015   <u>Siedlce University of Natural Sciences and Humanities, Poland</u>
- Interdisciplinary research in Applied Mathematics
- Developing algorithms in MATALB solving transport equation
- Implementation of new methods of solutions to already existing algorithms
- Analysis of the resulting data and its visual representation (physical aspects and as well data graphs)

Training courses
- SQL Essential Training (LinkedIn.com)
- Combining and shaping data (Pluralsight.com)
- Representing, Processing, and Preparing Data (Pluralsight.com)
- Summarizing Data and Deducing Probabilities (Pluralsight.com)
- Prolog (in progress)
- Google Cloud Big Data and Machine Learning Fundamentals

Education

October 2015 – September 2019   Funded PhD in Applied Mathematics
                                     University College Cork, Cork, Ireland
October 2010 – September 2015   Bachelor and master's degree in Applied Mathematics
                                     Siedlce University of Natural Sciences and Humanities,
                                     Poland

Supplementary experience
- Teaching experience in delivering tutorials as well as lectures to students at university level
- Teaching experience at the secondary stage of education
- Stock market trader – professional training
- Business sector experience:

March 2015 - September 2015   <u>ING BANK SLASKI, Warsaw, Poland as Auditor</u>
June 2012 - August 2012   <u>BANK BGZ PNB PARIBAS, Siedlce, Poland student placement</u>

Knowledge/Skills/Hobbies
- Programming: MATLAB, Mathematica, LATEX, PASCAL, C++/C, PYTHON & SQL (in progress).
- Win: 7, 8, 10, 11. MACOS, IOS. MS Office: 2010, 2013, 365.
- Languages: Polish (nativ), English (fluent), German (basic).
- Responsibility, loyalty, independence. Ability to cope with difficult situations. Good manners.
- Dedicated and flexible.
- Knowledge of blockchain and cryptocurrency concept.
- Adobe Lightroom, Photoshop - creating of photobooks and photo editing.
- Music, movies, psychology and human behaviour podcasts, strength training, healthy and eco-orientated lifestyle.
- Studying Hebrew and interested in the middle east culture