



Karol Zajac

Scientific Programmer

SOCIAL MEDIA



TECH STACK

- Python
- Bash
- C++
- Julia
- Docker
- HPC
- AWS
- HTML
- CSS
- JavaScript
- Angular
- FireBase
- React
- Ruby

SOFT SKILLS

- Teamwork and Co-Operation
- Communication and Discussion
- Time Management and Multitasking
- Self-Organization

LANGUAGES

- Polish (Native)
- English (B2/C1)

HOBBIES



Travel



Music



DIY



Swimming



Fitness



Calisthenics

ABOUT ME

Developer with expertise in Data Science and High Performance Computing able to deliver top efficient artifacts. My experience in working with computational models, co-operation within international projects helped me advance in my career. I also believe that I will be a great addition to your team as I am excited to learn, ready for challenges and motivated to continue my science and tech journey.

EDUCATION

MASTER'S DEGREE IN COMPUTER SCIENCE - DATA SCIENCE

Cracow University of Technology

2023-2024

BACHELOR'S DEGREE IN COMPUTER SCIENCE

AGH University of Science and Technology

2019-2023

EXPERIENCE

JUNIOR SCIENTIFIC PROGRAMMER

July 2022 - Current | Sano Centre for Computational Medicine

Member of Extreme-Scale Data and Computing Team, In Silico World participant. Responsible for adapting and deploying consortium partners' computational models on HPC clusters. Development new features and contributing to Model Execution Environment - the application for workflow management and job submission. My research and work resulted with publications - "Serverless Approach to Sensitivity Analysis of Computational Models" on CCGRID and "Digital twin simulation development and execution on HPC infrastructures" on ICCS.

JUNIOR SCIENTIFIC PROGRAMMER

Nov. 2021 - June 2022 | Sano Centre for Computational Medicine

Part-time work for Sano under the European project - In Silico World (ISW). I was responsible for optimizing and adapting computational models to HPC infrastructure. I was scripting in Bash and Python, as well as working with Docker or Singularity containerization. During the time, I was also making research for my Engineer's Thesis.

INTERN SOFTWARE DEVELOPER

July 2021 - Sept. 2021 | Sano Centre for Computational Medicine

Developing a Python application for counting and analyzing the gene sequences. I have learned how to work with the client and how to specify requirements. I have developed a good coding habits, working with code versioning control system, as well as code review and PR contribution methodology.

CONTACT

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I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).