



MONIKA PUCHALSKA

JUNIOR SOFTWARE DEVELOPER

◦ DETAILS

+48600135935
puchalska1977@gmail.com

◦ LINKS

LinkedIn
Website

◦ SKILLS

Advanced level

- Java, C, Git, MS Office, MATLAB

Junior level

- Python, SQL, HTML, CSS, JavaScript

◦ LANGUAGES

Polish - native
English - proficiency
German – very good knowledge

◦ HOBBIES

cinema, travelling, badminton



PROFILE

I am a Junior Software Developer and have gained solid knowledge in software development after completing an intensive course as a Java Software Developer. Additionally, I utilize my analytical skills from my experience as a physicist to solve complex problems efficiently. Now, I want to apply my technical knowledge in practice and contribute to the development of innovative software solutions.



FURTHER TRAINING

Java Software Developer, WIFI Wien, Austria

September 2023 — March 2024

- Fundamentals of object-oriented programming
- Java API (Collection Framework, Multithreading) and JavaFX
- Database integration
- Software engineering fundamentals (ER model, UML, documentation)
- Project work - RESTful desktop application (link)
- Graduated with very good result

Full-Stack Engineer, Codecademy (online)

May 2023 – present

- Web Development Foundations (HTML, CSS)
- Building Interactive Websites (JavaScript)
- Front-End Development (React, GitHub)
- Back-End Development (Express.js, PostgreSQL, REST API)
- Full-Stack Development (DevOps, E-Commerce App)

German courses A2 – C1, ibis acam, Wien, Austria

March 2021 — October 2022

- ÖSD German certificates A2 - B2



EDUCATION

PhD in Physics, International PhD Studies am IFJ PAN, Cracow, Poland

October 2003 — July 2008

MSc in Technical Physics, AGH University of Krakow, Poland

October 1996 — June 2001



EMPLOYMENT HISTORY

University Assistant, TU Wien, Austria

January 2015 — December 2020

- Strategic planning and coordination of research initiatives
- Utilization of statistical techniques for trend identification, results analysis and comprehensive report creation
- Advanced Monte Carlo simulations in radiation therapy
- Presentations at national and international conferences

Postdoc/Researcher, Chalmers University of Technology, Gothenburg, Sweden

April 2009 — August 2014

- Benchmarking of MC transport codes for ion therapy simulations
- Development of a voxel model for radiation transport simulations
- Publication of scientific articles on radiation exposure

Assistant Professor, Institute of Nuclear Physics PAN, Cracow, Poland

September 2008 — August 2011

- Applied data analysis and visualization for dose distribution with a particular focus on regression techniques
- Development of software for advanced data analysis and visualization ([link](#))
- Creation of a numerical phantom model based on CT data through image pre-processing and segmentation in ImageJ
- Presentations at national and international conferences

Intern, Institute of Nuclear Physics PAN, Cracow, Poland

October 2001 — September 2003

- Monitoring the detector system temperature in the ATLAS experiment at CERN