Bartłomiej Szamota

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Profile

I am a 26 yo graduate. I give private lessons in Mathematics and Physics since 2015. Meanwhile, I learn on programming via books and internet courses. During my physics and astronomy studies, my inner scientist considered programming as a Swiss army knife for problem-solving, modeling complicated phenomena, or in general – doing repetitive tasks. My language of choice is **Java**, although I started my journey with programming using **Python**. I have spent a couple of months learning them daily. I also had slight contact with **frontend** languages like **HTML**, **CSS**, and **JavaScript**, on the internet courses. I feel comfortable with the English language, as my first degree was completely in English, I use to listen to a lot of American music, and a large part of my both degrees consisted of reading specialized articles and papers, and elaborating its content. Especially in the English language. Now, during the Covid pandemic, when the digitalization of services became important more than ever, I would love to take a part in it, especially at the **backend** part. I am also a quick learner.

Work experience

Łódzki Ośrodek Szkoleniowy • Łódź • Poland

Inspector assistant

03/2018 – 08/2018

Examination of RTG apparatus safety and its ionizing radiation doses.

Skills

Languages

Language	Level
Polish	■■■■■
English	■■■■□
Spanish	■□□□□
German	■□□□□

IT skills

Skill	Level
Java	■■□□□
Python	■■□□□
Mathematica	■■□□□
PostgreSQL	■□□□□
HTML	■□□□□
CSS	■□□□□
JavaScript	■□□□□

Other skills

Microsoft Office • PTC Creo • SolidWorks • LaTeX • Advanced mathematics & Physics • Driving license

Education

Technical University of Lodz • Łódź • Poland

Technical Physics (Bachelor)

10/2013 – 03/2018

- Thesis: "A real phase shift induced by a quarter-wave plate in a laboratory condition".

- Studied in English language

Jagiellonian University • Cracow • Poland

Astronomy (Master)

10/2018 – 11/2020

- Thesis: "Scalar Field Cosmology with periodic potential – dynamical system approach".

- Multiple subjects in English language

Hobbies

Astronomy • Mathematics • Physics • Science • Music • Technology • Hiking