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 programming via books and internet courses. During my university studies, I had to learn to adapt and rely on my **analytical thinking** skills, **problem-solving**, and **teamwork**. At university I had introductory courses to **Java**, **Python**, **Mat-Lab**, **Mathematica**, and **C++**. At a time, all my projects were simulations of physical/astronomical phenomena. After finishing my studies I had slight contact with **frontend** languages like **HTML**, **CSS**, and **JavaScript** on the course. I spend a couple hours daily doing courses, exercises and broadening **IT** knowledge on my own. While I do not have commercial experience with code development, my personal experience can be reviewed on my **GitHub**. I feel very comfortable with the **English language**, as my first degree was completely in English and a large part of my second degree consisted of reading specialized articles and papers and elaborating its content. A job with a lot of English communication would be a great opportunity to not forget the language, and polish it up. I am a **quick learner** in technical and scientific issues. With a basic introduction, I seek needed information and use documentation on my own to solve a given problem.

Work experience

Łódzki Ośrodek Szkoleniowy • Łódź • Poland

Inspector assistant

03/2018 – 08/2018

Examination of RTG apparatus **ionizing doses**, and its **safety**.

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.

Skills

Languages

Polish	**Native**
English	**C1**
Spanish	**A2**
German	**(not certified)**

IT skills

Java • Python • Wolfram Mathematica • JavaScript PostgreSQL • Mat-Lab • HTML • CSS • Maven PyCharm Eclipse IDE • GitHub

Other skills

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

IT projects

Java

ATM interface • Fitting curves • Lotto draw BattleShips • Tic-tac-toe • Minesweeper • Sunrise & Sunset calculator

Python

Capital cities test generator • Sunrise & Sunset calculators • Two-body gravitational interaction

Hobbies

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