**Professional and scientific career development plan**

My name is Mateuț Ioana and I am a graduate of the Faculty of Mathematics and Informatics, Babeș-Bolyai University, mathematics-informatics specialization, bachelor level. Starting from a self-assessment, I can say that I am sincere, dynamic and with a major interest in learning everything that is new, organized, but at the same time ambitious.

From an early age I loved numbers and calculations, I chose to attend a high school with a real profile, namely mathematics-computer science, then attending college and specialization with the same name.

Subsequently, the three years of study in this field ended with the bachelor's exam, consisting of an oral examination of knowledge, but also a practical part (diploma thesis). For the practical part I chose, as a field, mathematics, the bachelor thesis having the subject “Mathematical models governed by first order differential equations. Classification. Generalities ”. To summarize this chosen topic, I have attached below the abstract of the paper. As a student, I approached a wide range of fields: from analysis, algebra and geometry, to the architecture of computing systems and formal languages ​​and compilation techniques. But the courses that aroused my interest the most were computer science, both Object Oriented Programming, Databases, Web Programming, Software Systems Engineering, and Artificial Intelligence.

On the other hand, during college I managed to deepen computer science in more detail. I thus formed a passion for this field.

In addition to the courses during college, I started an internship of about two months which consisted of an automation project, within the company Robotics Revolution. It was about the automation of the recruitment process, for the Human Resources department within the company, using the UiPath Robotic Process Automation (RPA) technology. The activity took place online, was based on weekly meetings in which I always received feedback and observations related to the project.

In order to continue the scientific development and the deepening of these years of study, I decided to follow the master's studies within this faculty. I chose to enroll in the specialization "High Performance Computing", the English line of study. I opted for the mentioned specialization, because it involves both a new challenge for me and the deepening of new knowledge. This decision involves continuous knowledge and a lot of work, and further studies are needed. I consider that the studies within this master's degree offer me the opportunity to establish the knowledge necessary for a career in the IT field.

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