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January 10, 2024

Motivation Letter for Aalto Internship Program

Dear Admissions Committee,

I am writing to express my strong interest in the Aalto University Summer Internship Program in computational sciences and data science. Currently, I am studying Physics at Sharif University of Technology, the top university in Iran, and I am very excited about the opportunity to expand my knowledge and experience in scientific algorithms through this program.

Throughout my experiences as an undergraduate student, I have developed a passion for programming, having gained handy skills in Python, Julia, and C/C++. I have worked on several projects involving Epidemiology, Evolution, network dynamics, and time series analysis, which have provided me with valuable skills in data analysis, modeling, and scientific computation.

Most recently, I completed a research internship at the Okinawa Institute of Science and Technology in Japan, where I applied numerical algorithms to study how seasonality influences pathogen latency in infectious diseases. This experience strengthened my skills in simulation, distributed computing, data analysis, and visualization using programming languages like Julia. Moreover, I found the experience of doing research in an international environment very helpful and it expanded my social-academic skills such as working in a group, doing research in a workspace, and being a part of an active community of researchers.

The Aalto Summer Internship Program closely matches my interests in scientific computations. I am eager to expand my skills in programming, analysis, and theory by learning from Aalto's renowned experts.I also look forward to collaborating with talented peers, exchanging ideas, and contributing meaningfully to team projects. I am confident that I will quickly become an engaged and active participant in this enriching program. I greatly appreciate your consideration of my application.

Sincerely yours,

Yaghoub Shahmari