

Testimonial

September 24, 2024

Kamil Kalinowski

*Worked under the guidance of Dr. Maria Dainotti
from Summer 2021 to Summer 2022*

I had the opportunity to work with **Dr. Maria Dainotti** starting shortly before the summer after my second year of undergraduate studies. Since I had no prior experience conducting research, she thoughtfully assigned me foundational tasks that helped build a solid groundwork. As my skills developed, she gradually introduced more advanced and challenging problems, which significantly accelerated my learning and boosted my confidence.

The projects I contributed to involved studying GRB correlations in optical wavelengths and expanding the sample of GRB light curves through observations. Through this work, I gained an understanding of how significant gamma-ray bursts are in modern astrophysics and how they can be used to measure cosmological distances. While each gamma-ray burst is unique, it is remarkable that common features can still be identified among many of them. However, capturing these events requires swift action, as they are highly transient.

Dr. Dainotti's guidance was invaluable in helping me develop skills in coding, statistical analysis, and observational astrophysics. Her mentorship taught me the rigor and professional standards needed to conduct meaningful research. Publishing scientific results requires careful consideration, multiple revisions, and significant patience before finally reaching the stage of publication. It also played a pivotal role in shaping my academic path, influencing my decision to specialize in Data Science as part of my Astronomy master's program at Aarhus University.

Dr. Dainotti is exceptionally supportive and genuinely invested in her students' success. She encouraged me to seek opportunities to publish our work, which greatly enhanced my academic profile. After co-authoring our first paper, I decided to continue collaborating with her on a second one. She fosters an environment where students can grow both academically and professionally, continually offering new opportunities to learn.

I highly recommend Dr. Dainotti to students seeking research opportunities. Her dedication to her students' success makes her an outstanding mentor.



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