



Prof. Dr. B. Walter

Education:

Brown University, PhD. Mathematics.

Rice University, BA Mathematics, BA Statistics.

Background:

I'm a professional research mathematician specializing in algebraic topology, operads, and Lie coalgebras. I also have considerable experience in data science, statistics, coding, and server administration. I've taught mathematics and statistics courses ranging from introductory to advanced levels at Purdue University and the Middle East Technical University, where I designed multiple courses still used in their engineering programs. I am proficient in coding both R and Python for data science; as well as C++, Java, Perl, Matlab, and Javascript. I've been excitedly following the release and improvement of LLM AI systems, and keenly tracking their applications to computer programming and data science!

Outside of mathematics I enjoy scuba diving, rock climbing, and exploring the world. I witnessed the aurora borealis in the Arctic Circle, roamed the deserts of the Hadhramaut on a motorcycle, and crawled through tunnels under the Temple of Ba'al in Palmyra. I have two children in the local schools here in St. Croix (go Barras and Rams!). I teach them mathematics and computer programming, and they play computer games and scuba dive with me. You will frequently find us at beach cleanups; we also volunteer with STX Turtles and St. George Botanical Gardens.

I only arrived in St. Croix in 2023, but I love the island's nature, history, and people. I'm proud to be a part of the Virgin Islands.