Music for Geeks and Nerds

By Pedro Kroger

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Are you interested in learning more about music but have found most material condescending or to present things magically instead of logically? The good news is that much of music can be understood with programming and math, two things you're already good at! In this book you'll learn some elements of music from a programmer's perspective. You'll learn about the primitives of music such as notes and duration, the means of combining those primitives into motives and chords, operations such as transposition, retrograde, and inversion, and the means of abstraction (phrases and form) using Python and some basic math. Every concept in this book is explained in English with a corresponding implementation in Python, using the Pyknon music library.

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Editorial Review

About the Author
I'm a college professor living in Brazil where I teach music composition, computer music, and computer science. When I'm not in front of the computer I can be found traveling, playing the violin, hiking, or ambushing my cat.

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