Python Playground: Geeky Projects for the Curious Programmer PDF
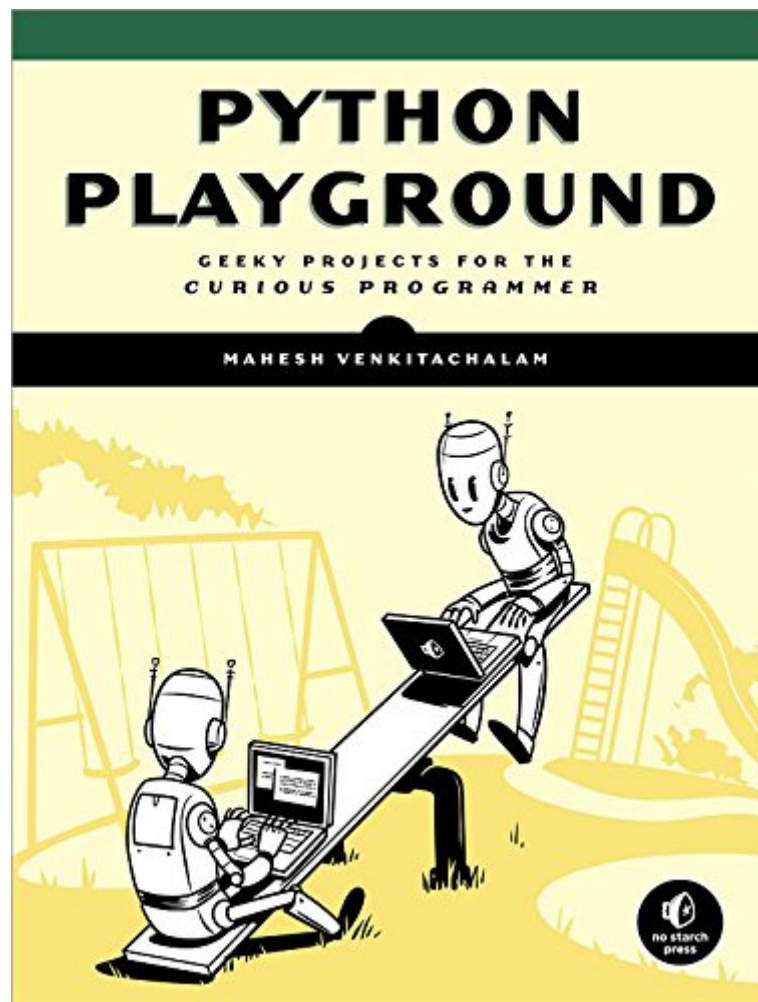

Python Playground: Geeky Projects for the Curious Programmer by Mahesh Venkitachalam ISBN 1593276044

Python is a powerful programming language that's easy to learn and fun to play with. But once you've gotten a handle on the basics, what do you do next?

Python Playground is a collection of imaginative programming projects that will inspire you to use Python to make art and music, build simulations of real-world phenomena, and interact with hardware like the Arduino and Raspberry Pi. You'll learn to use common Python tools and libraries like numpy, matplotlib, and pygame to do things like:

• Generate Spirograph-like patterns using parametric equations and the turtle module

- Create music on your computer by simulating frequency overtones
- Translate graphical images into ASCII art
- Write an autostereogram program that produces 3D images hidden beneath random patterns
- Make realistic animations with OpenGL shaders by exploring particle systems, transparency, and billboarding techniques
- Construct 3D visualizations using data from CT and MRI scans
- Build a laser show that responds to music by hooking up your computer to an Arduino

Programming shouldn't be a chore. Have some solid, geeky fun with *Python Playground*.

Python Playground: Geeky Projects for the Curious Programmer Review

This Python Playground: Geeky Projects for the Curious Programmer book is not really ordinary book, you have it then the world is in your hands. The benefit you get by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This kind of Python Playground: Geeky Projects for the Curious Programmer without we recognize teach the one who looking at it become critical in imagining and analyzing. Don't be worry Python Playground: Geeky Projects for the Curious Programmer can bring any time you are and not make your tote space or bookshelves' grow to be full because you can have it inside your lovely laptop even cell phone. This Python Playground: Geeky Projects for the Curious Programmer having great arrangement in word and layout, so you will not really feel uninterested in reading.