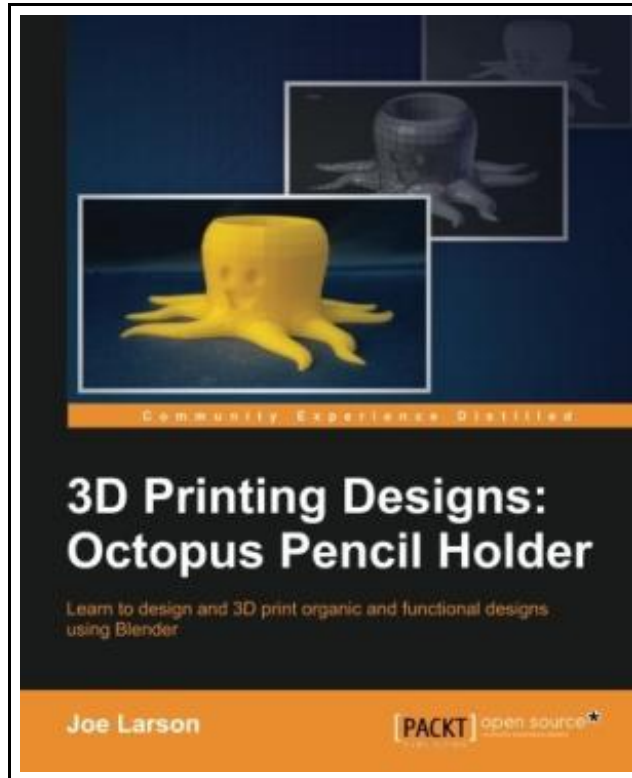# 3D Printing Designs: Octopus Pencil Holder

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Reviews

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(Prof. Uriel Witting)

3D PRINTING DESIGNS: OCTOPUS PENCIL HOLDER

Packt Publishing Limited, United Kingdom, 2016. Paperback. Book Condition: New. 235 x 190 mm. Language: English . Brand New Book ***** Print on Demand *****.Learn to design and 3D print organic and functional designs using Blender About This Book * Learn how to make complex shapes by editing basic ones * Make printable objects from multiple shapes and parts * Learn how to design from scratch, without a reference to physical objects Who This Book Is For You should have basic knowledge of Blender and 3D printing and be interested in printing your first object. What You Will Learn * Get to know the guiding principles required to create 3D printer-friendly models * Understand material characteristics, printing specifications, tolerances, and design tips * Master the art of modifying basic shapes with Blender s powerful editing tools: extrude, loop cuts, and other transformations * Learn techniques of editing complex meshes, smoothing, combining shapes, and exporting them into STL files for printing In Detail This book will cover the very basic but essential techniques you need to model an organic and functional object for 3D printing using Blender. Starting with pen and paper and then moving on to the computer, you will create your first project in Blender, add basic geometric shapes, and use techniques such as extruding and subdividing to transform these shapes into complex meshes. You will learn how modifiers can automatically refine the shape further and combine multiple shapes into a single 3D printable model. By the end of the book, you will have gained enough practical hands-on experience to be able to create a 3D printable object of your choice, which in this case is a 3D print-ready octopus pencil holder. Style and approach This is a starter project designed to introduce you to your first real-world 3D...

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