



Holography Projects for the Evil Genius

By Gavin Harper

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Take Your Imagination to Another Dimension

This wickedly inventive guide explores the art and science of holography and shows you how to create your own intriguing holograms using inexpensive materials. *Holography Projects for the Evil Genius* explains the tools and techniques you need to know to represent three dimensions on a flat, two-dimensional plane.

Using easy-to-find components and equipment, this do-it-yourself book presents a wide variety of holography projects--including science fair ideas--that are guaranteed to impress. You'll find detailed guidelines and parameters as well as discussions of the theory behind the practice.

Holography Projects for the Evil Genius:

- Features step-by-step instructions and helpful illustrations for each project
- Allows you to customize your projects
- Includes details on the scientific principles behind the projects
- Removes the frustration factor--all required parts are listed, along with sources

Enlightening coverage of:

- The history of holography
- Human vision basics
- Practical optics
- How to bend and distort laser light to form a hologram
- Holographic chemistry
- Setting up your holography workshop
- Working with lasers, glass plates, and film
- Basic to advanced holographic setups
- Advanced holographic chemical preparations
- Computer-generated holography
- Electronic circuits for holographers

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Editorial Review

About the Author

Gavin D. J. Harper is the bestselling author of *Solar Energy Projects for the Evil Genius*, *50 Model Rocket Projects for the Evil Genius*, *Fuel Cell Projects for the Evil Genius* and several other titles.

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