

Algorithmic Art

What is an algorithm? What is it about them that lets us navigate large maps or search the web? Can we use techniques in electrical engineering, computer science, and design to create artistic effects through algorithms? In this course, we'll discover the basics of programming and algorithmic thought by learning the fundamentals of algorithms. This includes important processes like path finding, searching, and packing algorithms. We will tie these back to visualizing these algorithms and their processes with open source software in artistic and novel ways. Using what they've learned, students can make a variety of beautiful visualizations and their own original art pieces through code, electronics, and analog effects. No programming or artistic experience required, although some is recommended.

Some examples of art made by algorithms we'll be learning:

