

Now You're Cooking with Python

Lillard Lewis, Sixia Chen and Thérèse Smith

October 12, 2017

Abstract

Bringing people together through shared, heartwarming experiences

Chapter 1

Look, I made it from Scratch

1.1 Cooking

Something about the satisfactions of cooking from scratch, and some illustrations that support the idea of cooking from scratch.

1.2 Computing



Figure 1.1: Sometimes we want to be responsible for every ingredient.



Figure 1.2: Starting from basic ingredients we know the whole product.

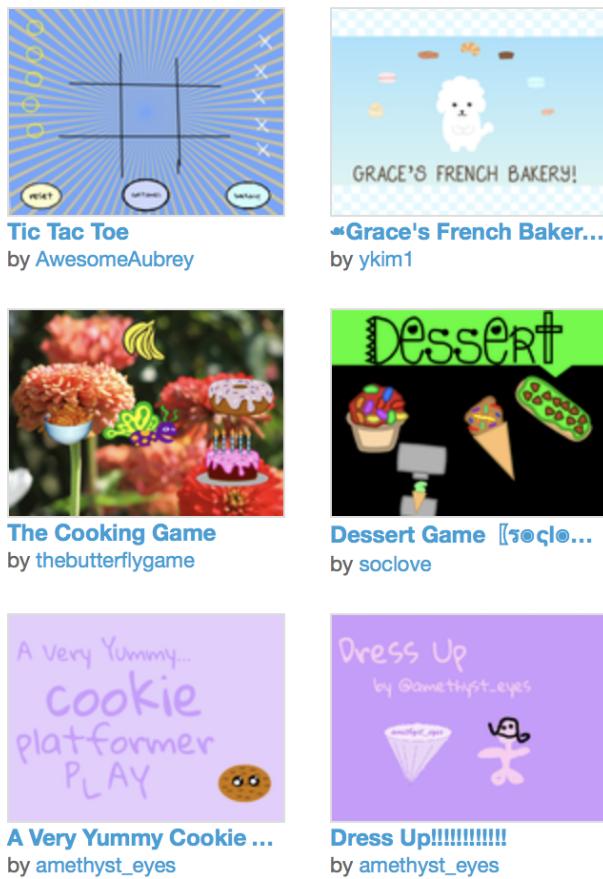


Figure 1.3: Free Scratch Website teaches how to program with almost no typing.

Chapter 2

A recipe is a sequence of activities working on ingredients.

2.1 Cooking

2.2 Computing



Figure 2.1: Multiple layers produced the same way is like a for loop.



Figure 2.2: Keep doing the same while spiraling out is like recursion.

Chapter 3

Building structures can be amazing.

3.1 Cooking



Figure 3.1: The ability to design your own construction is a source of fun.

Chapter 4

**We can assemble whole
projects from parts.**



Figure 4.1: Assembling a whole, from our choice of parts, can be joyful.

Chapter 5

We can divide an objective into parts.

5.1 Computing



Figure 5.1: A large objective can sometimes be achieved by breaking it into parts.

Chapter 6

**Networking can bring us
together from a distance.**

6.1 Cooking

6.2 Computing



Figure 6.1: Networks can be regular like a lattice.



Figure 6.2: Networks can grow where resources support them.

Chapter 7

Raspberry Pi, anyone?



Figure 7.1:

Chapter 8

Many languages, one human family.

8.1 Cooking: Enjoying food is universal.

8.2 Computing: Communication, Many languages