

---

# **rjgtoys: A collection of projects and ideas**

*Release 0.1-1*

**Robert J. Gautier**

**Jan 03, 2020**



---

## Contents

---

<b>1</b>	<b>projects</b>	<b>3</b>
<b>2</b>	<b>tkthread</b>	<b>5</b>
<b>3</b>	<b>xc</b>	<b>7</b>
<b>4</b>	<b>config</b>	<b>9</b>
<b>5</b>	<b>cli</b>	<b>11</b>
<b>6</b>	<b>yaml</b>	<b>13</b>
<b>7</b>	<b>thing</b>	<b>15</b>



This is a collection of projects that has built up over several years.

I do them to explore ideas, learn about new technologies, or simply to 'keep my hand in'.

Here is a list of what you'll find here:



# CHAPTER 1

---

## projects

---

A thin layer on top of *setuptools* to simplify writing Python projects.





## CHAPTER 2

---

### tkthread

---

Allows threads to interact with `tkinter`<sup>1</sup> applications.

---

<sup>1</sup> <https://docs.python.org/3/library/tkinter.html>



## CHAPTER 3

---

XC

---

Structured exceptions for Python. Easy to declare and to handle, and also good in Web APIs.



## CHAPTER 4

---

### config

---

A modular configuration data interface built using [pydantic](https://pydantic-docs.helpmanual.io/)<sup>2</sup>.

---

<sup>2</sup> <https://pydantic-docs.helpmanual.io/>



## CHAPTER 5

---

cli

---

Command-line tool components built on top of the Python [argparse](https://docs.python.org/3/library/argparse.html)<sup>3</sup> library module.

---

<sup>3</sup> <https://docs.python.org/3/library/argparse.html>





## CHAPTER 6

---

### yaml

---

A thin layer on top of `ruamel.yaml`<sup>4</sup> that does YAML I/O with some tricks that I find useful.

---

<sup>4</sup> <https://pypi.org/project/ruamel.yaml/>



## CHAPTER 7

---

thing

---

A kind of `dict` that behaves a bit like a JavaScript object, so `x['a']` and `x.a` are equivalent.