# vector-lib egg

Reference implementation of SRFI-43: Vector library
Extension for Chicken Scheme
Version 1.1

Taylor Campbell; port by Zbigniew

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# 1 About this egg

## 1.1 Version history

`1.1` Final implementation port by Zbigniew

`1.0` Draft implementation port by William S. Annis

## 1.2 Usage

Load this egg like so:

```
   (require-extension vector-lib)
```

# 2 Documentation

See the SRFI-43 document for full documentation on the reference implementation.

The reference implementation on srfi.schemers.org is buggy (as of 24 May 2005). This code is actually derived from Taylor Campbell's updated version.

Also included are the following user-visible fixes:

- vector-map fix from Will M. Farr
- `list->vector` and `reverse-list->vector` obey the `START` offset, and disallow negative length

Additionally, `list->vector` and `reverse-list->vector` accept optional `START` and `END` arguments:

`list->vector` [procedure]

```
(list->vector LIST [START END])
```

Produce a vector containing the elements in `LIST`, which must be a proper list, between `START`, whose default is 0, and `END`, whose default is the length of `LIST`. It is suggested that if the length of `LIST` is known in advance, the `START` and `END` arguments be passed, so that `list->vector` need not call `length` itself.

`reverse-list->vector` [procedure]

```
(reverse-list->vector LIST [START END])
```

Produces the same output as `list->vector`, but in reverse order.

This brings them more in line with `vector->list` and `reverse-vector->list`, which also take `START` and `END` arguments.

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