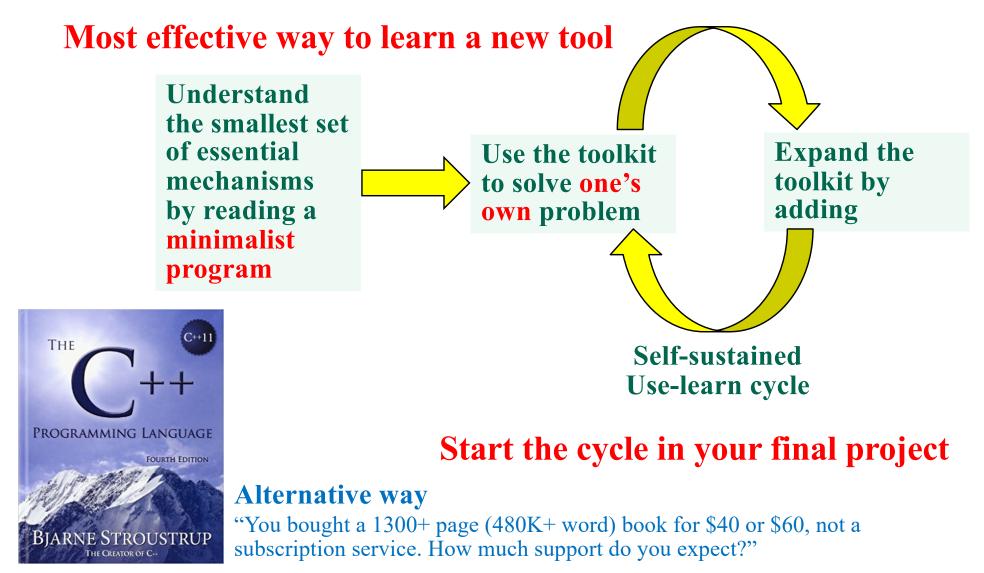
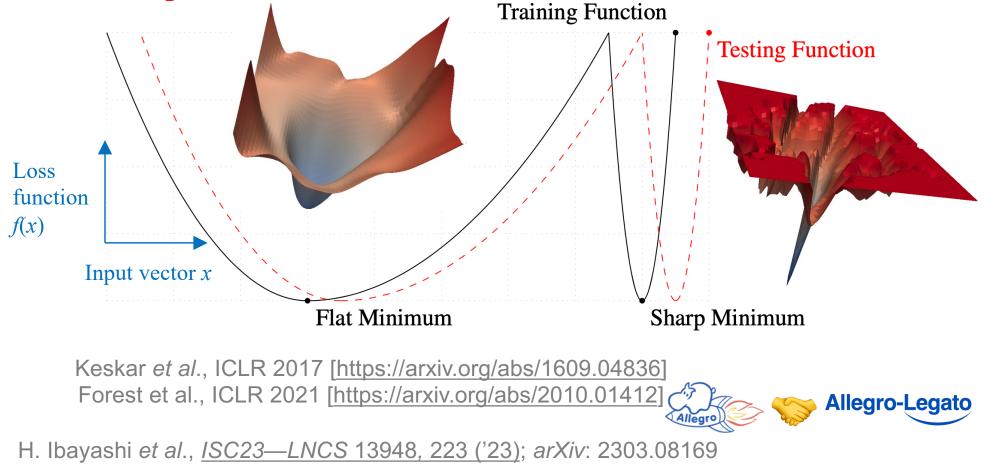
## Why Assignments Are Too Easy?

A: It's intentional. To provide hands-on seeds, so as to start using tools (MPI, OpenMP, CUDA, SYCL, *etc.*, or other mathematical & engineering tools at large) in a self-sustained use-learn cycle



## **Learning-Theory Foundation**

- Minimum description length (MDL) theory: Models described by fewer bits (*i.e.*, low Kolmogorov complexity) are more generalizable
- Spectral theory: Low-bit (low-complexity) models have flatter loss landscape



https://github.com/mir-group/allegro