

Python Performance Optimization Kickstart

Turbo-charge your slow Python code

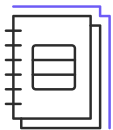
Do you have Python code that was fine for small problems during development, but now that you want to run it at scale, you need to make it more efficient? Our highly experienced engineers will help identify performance bottlenecks and eliminate them, whether that is by using vector processing to replace Python loops, or by compiling the loops directly to machine code with Numba.

For code that is already fast on one processor but needs to run in parallel, we'll help distribute your code to run on collections of processors, using open-source libraries that can become an integral part of your future workflows. We have decades of experience building high-performance Python code using cloud computing, HPC (high-performance computing) systems, and GPUs (general-purpose graphics-processing units), and we can even help you implement parts of the code using C, C++, or Rust if required.

Just give us your runnable but slow code, and we will find out where it is spending all its time and show you how to make full use of all the hardware you have available. In approximately **100 billable hours**, we deliver versions of your key workflows optimized for speed on a single processor and also scalable to multiple processors if needed.

Requirements

To qualify for this Kickstart project, you must provide the following:



Python scripts, notebooks, or other examples of slow but correct code



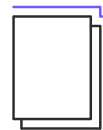
Specifications for the data sizes or parameter values you need to work with in practice



Data used in the analyses (obfuscated if necessary)



Optimized versions of your scripts or notebooks



Final report with documentation for usage and future development



Benchmarking code demonstrating any performance improvements obtained

Interested in partnering with our Professional Services team to achieve your business goals?

Reach out to sales@anaconda.com