

## Fundamentals of Accelerated Computing with CUDA Python

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# Custom CUDA Kernels in Python with Numba

*Monday, July 24, 2023 12:15 PM (2 hours)*

- Learn CUDA's parallel thread hierarchy and how to extend parallel program possibilities.
- Launch massively parallel custom CUDA kernels on the GPU.
- Utilize CUDA atomic operations to avoid race conditions during parallel execution.