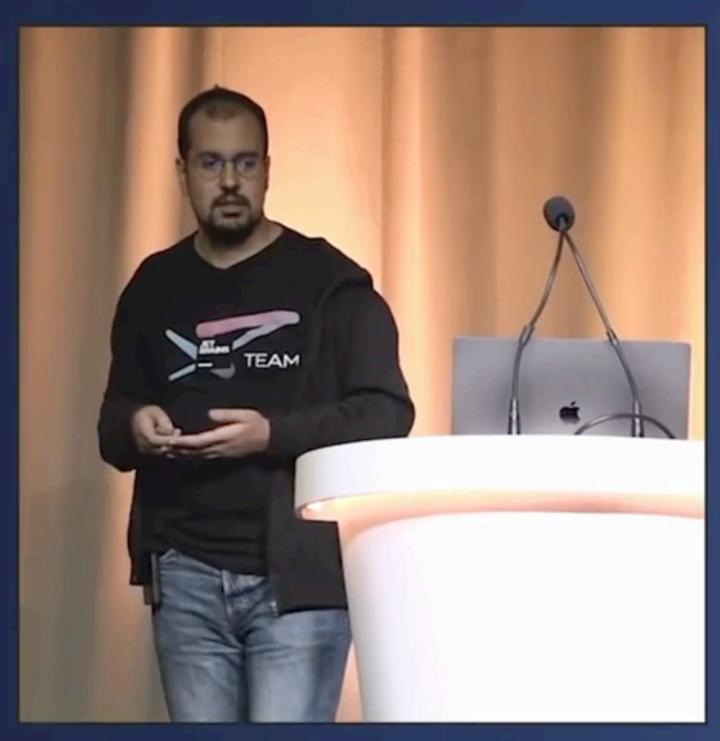
[[realtime_safe]]

https://youtube.com/clip/Ugkx1Jwq6D5zMKhQODI7JEeD0gxupJOHsLY9?si=vUVLlg9cb7Te1PbF







Timur Doumler

Real-Time programming with the C++ standard library

```
struct random_sample_gen
     // returns a random float in the interval [0, 1)
     float operator()()
         auto x = float (rng() - rng.min()) / float (rng.max() + 1);
         if (x == 1.0f) x -= std::numeric_limits<float>::epsilon();
         return x;
 private:
     xorshift_rand rng { std::random_device{}() };
 };
 void process(buffer& b)
     std::ranges::fill(b, random_sample_gen{});
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                                     https://timur.audio
                     @timur_audio
```







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realtime_context rc;



void run_rt_thread()



do_mutex_lock_unlock (m);

get_file_size();

do_vector_reserve();

do_malloc_free();

do_read_file();