

Fady Farag

Software Engineer

PROJECTS

AirKit

LLVM/libc++ extention

2018 - 2019

A Library of generic data structures and algorithms architected to extend LLVM/libc++, the C++ Standard Library shipped with the Clang compiler.

AirKit.PackedSet

A feature-complete, generic and customizable container developed to be 1.4x faster than `std::set` when adding an element. Benchmarks conducted by the Google Benchmark library.

AirKit.type_util

A modern C++17 implementation of `std::common_type` and `std::make_tuple` that achieves more generality and fault tolerancy than the versions shipped in the standard library.

AirKit.algorithm

Re-implementation of fundamental Boost.MPL algorithms developed using C++17 features that significantly improve performance; All algorithms are executed entirely at compile-time.

EDUCATION

Bachelors of Science, Computer Science

Arkansas State University

GPA 3.50

Dean's Honours List

2016 - 2020

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Jonesboro, AR U.S

Technical Skills

C/C++

LLVM

libc++

Boost

Swift

Native Technologies

UIKit, ARKit, Core Graphics, MapKit

Other Skills

cmake, Xcode

Languages

English (professionnal)

French

Contact

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