

Jacob Ford

<https://github.com/jfordnull>

I am a Computer Science student who is passionate about programming, engineering and art.

Technical Skills

Languages

C++, C#, C, Java, Python, Racket

Software etc.

Unity, Blender, Photoshop, .git, XR Development, 2D/3D Game Development, Graphics Programming, Data Structures, Algorithms, Operating Systems, Functional Programming

Projects

Fibonacci Heap Graph Algorithms

Optimized Dijkstra's Shortest Path and Prim's Minimum Spanning Tree algorithms for dense networks using a custom priority queue built upon Michael L. Fredman and Robert E. Tarjan's amortized data structure

<https://github.com/jfordnull/Fibonacci-Heap-Graph-Algorithms>

Experience

June 2023 – August 2023

Woodshop Technician *GrooveWasher, LLC*

Managed the production of hand-crafted walnut products, including sawing, sanding and varnishing. Responsible for determining weekly shop schedule and meeting monthly production quotas.

August 2022 – December 2022

PASS Leader *University of Missouri, Kansas City*

Led supplementary instruction for introductory college chemistry; basic overview of stoichiometry, organic chemistry, etc.

Education

2020 – 2024

B.S. Computer Science

University of Missouri, Kansas City

Expected Graduation: December 2024

2018 – 2020

B.A. Studio Art

Kansas City Art Institute

Incomplete Degree

Awards

UMKC 2022 Fall Hackathon AR/VR Track, Honourable Mention

Activities

- UMKC Robotics Club
- UMKC Computer Science Club

Contact

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