Eyad Hossam | CS JUNIOR

Al Haram, Al Giza, Egypt | (+20) 011 1011 6592 | eyadhossamm@gmail.com | 🌐 eddsanity | in eyadhossam

EDUCATION

Faculty of Computers and Information, Cairo University   Expected year of graduation: 2021

GPA: 3.76

RELEVANT COURSES

Data Structures & Algorithms, Algorithm Design & Analysis, Computer Architecture, Operating Systems, Intro to Computer Graphics (MOOC from UC San Diego), Object Oriented Programming, Into to Database Systems, Discrete Mathematics, Linear Algebra, Software Engineering 1 & 2

PROGRAMMING LANGUAGES

C++/C, C#, Java, Python

SKILLS & TECHNOLOGIES

OOP, Linux, Git, Win32 API, Microsoft SQL Server, OpenGL

PROJECTS

MIPS Simulator	**C++**	A modular MIPS architecture simulator designed as a module to be integrated into a MIPS toolchain. Specifically, it simulates a Single-Cycle MIPS processor.
2D Math Equations Plotter	**C++, OpenGL**	A 2D plotter that works by parsing an input equation with one variable by constructing an Abstract Syntax Tree and evaluating it.
CPU Scheduling Simulation	**C++, C#, C++ CLI**	A CPU Scheduling Simulator implementing Non-Preemptive SJF, SRTF and Non-Preemptive Priority Scheduling. C++ is used for the scheduler's core logic and it's interfaced with a C# GUI through C++ CLI.
Shell Emulator	**Java**	A shell emulator implementing 15 UNIX commands with piping and redirection support.
Mathematix	**C++**	A light-weight math library with support for: Basic Trigonometry, Vectors, Complex Numbers, Matrices and Quaternions.