

Christian King

Software Engineer Intern

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Education

Computer Science B.S., *University of Central Florida* 01/2021 – 12/2023
GPA: 3.6

Computer Science A.A., *Seminole State College of Florida* 08/2018 – 12/2020
GPA: 3.5

Programming Proficiencies

C, C++, Java, HTML, CSS, Unity, Visual Studio, Eclipse, Valgrind

Courses

Data Structures - COP3502, *University of Central Florida*
Problem solving techniques, order analysis and notation, abstract data types, and recursion.

Algorithms - COP3503, *University of Central Florida*
Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications.

Object Oriented Programming - COP3330, *University of Central Florida*
OOP concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as Java.

Systems Software - COP3402, *University of Central Florida*
Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system-level I/O.

Projects

Maze Solver, *Java*
A program that implements JavaFX UI to build mazes with walls and teleporters. Utilizes a breadth-first search algorithm to find the optimal solution to the maze.

Polynomial Multiplier, *Java*
A program that implements Karatsuba's algorithm to multiply together two polynomials.

Compiler, *C*
A lexical analyzer, compiler, and virtual machine that converts PL/0 to machine code.

Interests

Hiking, Guitar, Running, Meditation, Cats, Video Games, Technology, Astronomy, Podcasts