

Stefan Werleman

Orlando, FL

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Education

University of Central Florida

BACHELOR OF SCIENCE IN COMPUTER SCIENCE | GPA: 3.721

Orlando, FL

Graduating in August 2021

- **Relevant Coursework:** Algorithms and Data Structures, Software Engineering, Discrete Structures, Web Development, Computer Architecture, Competitive Programming and Multiprocessing Programming.

Orlando, FL

MASTER OF SCIENCE IN COMPUTER SCIENCE

Graduating in August 2022

Skills

Languages C, Java, JavaScript, HTML5, CSS, Ruby, Python, C++
Frameworks ReactJS, NodeJS, ExpressJS, Jest, Mocha, Django, React Native, Expo CLI, MongoDB, Electron.js
Technologies Git, Github, REST, JSON, Firebase, Windows, Linux

Projects

All Things Books

REACT NATIVE | JAVASCRIPT | NODE | EXPRESS | GIT

- Developed a React Native mobile application for IOS that allows users search for books by name, date, author, or publisher.

Facebook Clone

JAVASCRIPT | NODE | EXPRESS | MONGODB | HTML | CSS | GIT | MOCHA

- Developed a full-stack web chat system that allows users to chat amongst other anonymous users. Every night at midnight the chat box will be cleared.

Skip List

JAVA | DATA STRUCTURE

- A Java container class for the Skip List data structure. It supports add, delete, check, and edit operations in $O(\log n)$ time. Search, insertion, and deletion is implemented by using a linked hierarchy that allows the operation to skip elements instead of doing a linear search. Thus, rendering the process to perform in logarithmic time.
- Utilized empirical run-time analysis and algorithm analysis to verify its performance.

Lonely Party Array

C | C++ | DATA STRUCTURE

- Developed two dynamic array-like data structure containers in C and C++ that does not allocate any unused and wasted space like a typical array does.
- Utilized GCC's -print-memory-usage flags to compare the memory usage between this data structure and normal arrays as well as Valgrind to check for any memory leaks in a Linux environment.

Listy String

C | C++ | DATA STRUCTURE

- Made two parsers in C and C++ that parses any string from an input file and produces a linked list of the characters in the string.

Sneaky Knights

JAVA | PYTHON

- Developed two functions in Java and Python that receives a list of coordinates for knights on a chess board and determines whether any of the knights can attack one another.
- The method run in $O(n)$ time where n is the number of knights on the chess board.

Professional Experience

Car Wash Palace and Detail Center

DETAIL SPECIALIST AND SALES ASSOCIATE

Orlando, FL

May 2017 - PRESENT

- Currently have the highest customer satisfaction rate in auto detailing services and leading the company in membership sales.
- Received two employee of the month awards.