

Stefan Werleman

13048 Waterford Wood Circle apt 201 | Orlando, FL

☎ (407) 486-0750 | ✉ stefanwerleman@yahoo.com | 🌐 stefanwerleman | in stefanwerleman

Education

University of Central Florida

Orlando, FL

BACHELOR OF SCIENCE IN COMPUTER SCIENCE | GPA: 3.826

Graduating in August 2021

- **Relevant Coursework:** Algorithms and Data Structures, Software Engineering, Discrete Structures, Web Development, Computer Architecture, Competitive Programming, Machine Learning (Current), Functional Programming (Current), and Data Science (Current).

Skills

Languages	C, Java, JavaScript, HTML5, CSS, Ruby, Python
Frameworks	ReactJS, NodeJS, ExpressJS, Jest, Mocha, Django, React Native, Expo CLI
Databases	MongoDB
Version Control	Git, Github
Operating Systems	Windows, Linux
Other Technical Skills	Ubuntu WSL, Markdown, Excel, Word, Powerpoint, LaTeX

Projects

Facebook Clone

- Currently developing a full-stack website that simulates a basic user chat system.
- Designing the website using **HTML5** and **CSS**. The functionality is being built using **JavaScript** with the help of the **NodeJS** and **ExpressJS** frameworks.
- Will store all data using the **MongoDB** database program and conduct all testing with the **Mocha** framework. Using **Git** and **GitHub** to save all the code.

SkipList

- Built a **Java** container class that contains methods and operations to perform complex insertion and deletion algorithms for this probabilistic data structure.
- Utilized heavy **algorithm analysis** to verify the time and space complexity of the data structure.

Trie Object

- Wrote a **Ruby** container class that simulates the **Trie** data structure.
- Supports basic insertion, search, and deletion operations. Includes other functions, such as converting the Trie into an array and printing all the strings contained in the Trie. Used **Git** and **GitHub** to save all the code.

All Things Books

- Developed a **React Native** mobile application for IOS that allows a user to find a list of books by searching for Author, title, or publisher.
- Utilized **Expo** to run the IOS simulator and **Native Base** for styling.

Document Drop Application

- A website that allows users to store information in notes for it to be sent to recipients if an untimely death occurs.
- Developed the **front-end** using **JavaScript** and the **ReactJS** framework.
- Styled the website with the **Bootstrap** framework.

Constrained TopoSort

- Implemented a **Java** program that verifies whether an arbitrary directed graph has a valid topological ordering which some vertex, x , comes before some other vertex, y .
- Used multiple data structures from the **Java API** and **Graph Theory** to model this process.

Run Like Hell

- Implemented a **Java** program that is meant to serve the art of **Dynamic Programming**.
- Required me to implement a backtracking algorithm and then optimize the solution to an $O(n)$ runtime with an $O(1)$ space complexity

Professional Experience

Car Wash Palace and Detail Center

Orlando, FL

DETAIL SPECIALIST

May 2017 - PRESENT

- Work 25 - 30 hours a week
- Perform auto detailing services on various vehicles and am responsible for the sales of detail services and products.