Stefan Werleman

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Education

University of Central Florida   *Orlando, FL*
Bachelor of Science in Computer Science | GPA: 3.811   *Graduating in August 2021*

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

Skills

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

Projects

Personal Portfolio Website

- Currently building a website that shows all of my skills, projects, and interests in my portfolio and also shows a contact me form. Developing the application using the **MERN** stack with **CSS** and **Bootstrap** to develop the app. Using **ExpressJS** to run the server, manage the **MongoDB** database, and make API calls to the **SendGrid** API.

PakTrak

- Developing a **React Native** mobile application for IOS and Android that allows a user to track any items that are being shipped. Utilized **JavaScript** as the main language, **Expo** to run the IOS simulator and **React Native Elements** for styling. Will use **Node.JS** to build a REST API that will request tracking information for the **ShipEngine API**.

AlgoVision

- This will be an interactive algorithm and data structure visualizer and encyclopedia for students who are struggling with these topics. Currently developing the web application with **JavaScript** and the **React.JS** framework.

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.

Facebook Clone

- Developed a full-stack website that simulates a basic user chat system. Designed the website using **HTML5** and **CSS**. The functionality was built using **JavaScript** with the help of the **NodeJS** and **ExpressJS** frameworks. Stores all data using the **MongoDB** database program. Conducted all testing with the **Mocha** framework. Used **Git** and **GitHub** to save all the code.

Lonely Party Array

- Developed a special array-like **data structure** in **C** and **C++** that does not allocate any unused and wasted space like a typical array does. Utilized the GCC **Valgrind** tool to check for any memory leaks.

Run Like Hell

- Implemented a **Java**, **Python**, and **C** version program that utilized **Dynamic Programming** to break down an inefficient recursive solution to an optimal solution.

Sneaky Knights

- Developed a **Java** and **Python** program receives a list of coordinates and an arbitrarily large board for knights and determines whether any of the knights can attack one another. Developed an **algorithm** that converted the coordinate strings into indices for a 2D array and used a **hash-table** to cache and check each knight's location.

Professional Experience

Car Wash Palace and Detail Center   *Orlando, FL*
Detail Specialist   *May 2017 - PRESENT*

- Perform auto detailing services on various vehicles and am responsible for the sales of detail services and products.