TIMOTHY R. SEIFERT

Computer Science Major

@ timothy.seifert@tufts.edu   📞 240-329-7141   ✉ Carmichael Hall Room 319, Tufts University
📍 Medford , MA, 02155

EXPERIENCE

Intro Computer Science
C++ Object Oriented Programming

📅 Fall 2019   📍 Medford, Tufts University

- Taught by Drs. Richard Townsen and Megan Monroe
- Detailed studying of all introductory computer science concepts with project based learning. Learned about various data structures.

Data Structures
Dynamic Storage Allocation

📅 Winter 2019 – Current   📍 Medford, Tufts University

- Taught by Dr. Mark Sheldon
- More in depth data structures. Reaffirming knowledge taught within the class "Intro Computer Science."

Java Programming Language
Java, UML diagrams, JavaFX

📅 Summer 2020   📍 Montgomery MD, Montgomerry College

- Taught by Dr. Ashique Tanveer
- A class about the programming language Java. Projects included mainly math based problems from user input within the terminal.

PROJECTS

Personal Website
Summer Project

📅 2020

- During summer break I built gh-pages through the REACT framework. Here I learned both JavaScript as well as CSS. The website can be accessed here: https://timseifer.github.io/personal-website//

Another Website
Summer Project

📅 2020

- Using again REACT as a framework, hosted on gh-pages, I built a more refined front-end website.
  https://cass-glitch.github.io/cass-website//Parallaxe

Programming of The Game Splendor
Final Project

📅 2019

- Object Oriented Programming: encapsulation, user inputs, and vectors. Data storage with multiple users. Additionally, I also learned Big-O notation to classify algorithms and their time complexities.

MY LIFE PHILOSOPHY

"If I have seen further it is by standing on the shoulders of giants." Newton

MOST PROUD OF

🏆 **Valedictorian**
High School Valedictorian

🏆 **Eagle Scout**
Part of the NHS, Order of The Arrow, and an Active Member

🏆 **IB Diploma Recipient**
Achieved the necessary marks on IB tests to receive an IB Diploma

STRENGTHS

Hard Working   Eager to Learn

Socially Skilled   Communication

C++   Python   Embedded Systems

Analytical and Statistical Analysis

LANGUAGES

C++   ●●●●○

Java   ●●●○○

JavaScript   ●●●○○

Python   ●●●○○

Spanish   ●●●○○

EDUCATION

Pursuing a Bachelor's in Computer Science
Tufts University

📅 September 2019 – Current

Tufts is a top university located in Medford, MA. With a rigorous computer science program, new projects are released every week in classes.

Recursion of Phone Numbers

Midterm Project

📅 2019

Traversing phone number lists through the creation of helper recursion functions.

Linked Lists and Arrays

Data Structure Projects

📅 2019-2020

- I recreated the library behind the c++ array and link libraries. Along with these data structures, I learned about recycling data on the heap with the help of the application valgrind.

PROGRAMMING AT TUFTS