

TIMOTHY R. SEIFERT

Computer Science Major

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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."

PROJECTS

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.

Recursion of Phone Numbers

Midterm Project

2019

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

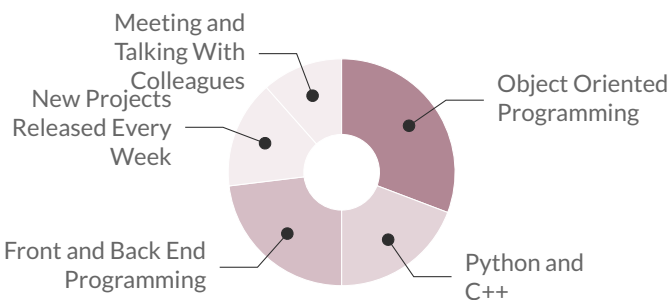
Linked Lists and Arrays

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



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++ ● ● ● ● ●
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.

IB Diploma

North Hagerstown High School

2019