# TIMOTHY R. SEIFERT

**Computer Science Major**

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📍 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."

## 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.
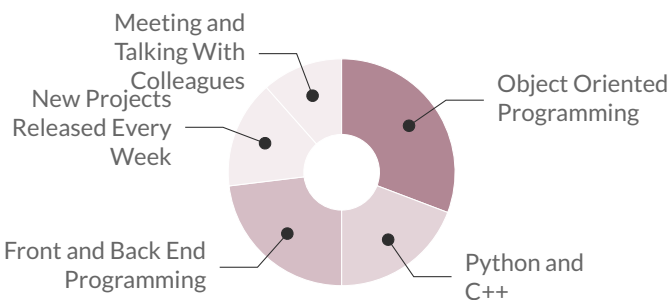
### Linked Lists and Arrays
**Data Structure Projects**

📅 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



Meeting and Talking With Colleagues
New Projects Released Every Week
Front and Back End Programming
Object Oriented Programming
Python and C++

## 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