

## + summary

An aspiring Software Engineer with a love for programming, mathematics, problem solving, and learning, hoping to land an internship in the software industry

## + employment

### 3M Health Information Systems

Troy, NY

Software Engineering Intern

May 2017 to Current

Responsibilities include:

- Being a member of an Agile SCRUM team participating in one week sprints to deliver quality software efficiently
- Using SQL to write Stored Procedures to perform QA checks on development databases
- Using C# and ASP.NET to update and develop 3M's legacy web applications
- Using TortoiseSVN, wrote software that went through multiple development and testing environments and learned how to version control across multiple different teams working on the same code base.
- Updating web applications to meet security standards set forth by 3M Corporate
- Redesigning the 360 Encompass Health Analytics Suite to better replicate new company web apps

### University At Buffalo

Buffalo, NY

Undergraduate Teaching Assistant

Sep 2016 to Current

Responsibilities include:

- Assist in teaching the fundamentals of Object-Oriented Programming in an Intro to Java course
- Teaching recitations of 20-30 students
- Holding office hours weekly
- Invigilating Exams
- Grading Quizzes

### Flight Trampoline Park

Albany, NY

Shift Leader

Jul 2014 to Jun 2017

Responsibilities include:

- Managing daily operations of the park
- Handling large amounts of cash
- Handling customer complaints and diffusing tough situations
- Performing First Aid to injuries

### Xpogo LLC

Pittsburgh, PA

Professional Athlete

Responsibilities include:

- Performing live extreme pogo sticking shows for up to thousands of people at NBA Halftime Shows as well as other large events
- Designing and choreographing extreme pogo sticking shows
- Conversing with clients and ensuring show is up to their standards

## + activities

### First Tech Challenge · Software Mentor

Sep 2015 to Current

- Assist FTC Team 4107 members with writing code in Java to control their competition robot
- Assist students in learning and following the engineering design process

### Schenectady County Study Circles · President

Sep 2014 to May 2015

- Help run and plan for a conference between Schenectady County schools to talk about diversity within schools and how to eradicate racism
- Facilitated small groups of 8-10 students that talked about difficult subjects such as racism within schools
- Planned and ran a prom for local senior citizens

## + education

### University At Buffalo

B.S. Computer Science 2019

B.A. Mathematics 2019

Dean's List

GPA: 3.82

### Mohonasen High School

Advanced Regents w/ Distinction in Math and Science 2015

## + projects

### Data Structures in C++

Sep 2016 to Dec 2016

- Worked on implementing and creating useful software involving Data Structures in C++
- Seven assignments including DNA k-mer counting, Huffman Encoding and implementing a hash-map as well as others

### Master Labyrinth

Jan 2016 to May 2016

- Worked on a team of 4 members tasked to reproduce a fully functioning version of the board game Master Labyrinth using Java and the Java Swing graphics library
- Used git to manage code between team members
- Implemented JUnit testing to ensure that our code complied with requirements of the project.

### Celestial Navigation

Nov 2016 to Dec 2016

- Created a Jupyter Notebook project that modeled a figure-8 path of a spacecraft around the moon and back to Earth
- Used Markdown, Python, NumPy, and Matplotlib, to implement Euler's Method and describe the derivation of the differential equation used to model the path

### GroupMe Chat Bot

Mar 2017 to Current

- Using Node.JS and the GroupMe API created a bot that can recognize phrases in a message and respond to those messages with useful info
- Currently working on adding other functionality that is included in the API

## + skills

### PROGRAMMING

Java

C++

Python

HTML/CSS

Javascript

SQL

C#

### TOOLS

Linux

Microsoft Office

Git

TortoiseSVN