

## + 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 Aug 2017

- Updated web applications to meet security standards set forth by 3M Corporate
- Redesigned the 360 Encompass Health Analytics Suite to better replicate new company web apps
- Wrote Stored Procedures that perform QA checks on development databases in SQL
- Debugged and updated 3M's legacy web applications using C#/ASP.NET, HTML/CSS, and JavaScript
- 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 using TortoiseSVN.
- Delivered quality software efficiently as a member of an Agile SCRUM team

### University At Buffalo

Buffalo, NY

Undergraduate Teaching Assistant

Sep 2016 to Current

- 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

### Xpogo LLC

Pittsburgh, PA

Professional Athlete

Jan 2014 to Current

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

### Flight Trampoline Park

Albany, NY

Shift Leader

Jul 2014 to Jun 2017

- Managed daily operations of the park
- Handled large amounts of cash
- Handled customer complaints and diffusing tough situations
- Performed First Aid to injuries

## + 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

GPA: 3.82

Dean's List

## + projects

### Magic: The Gathering Card Finder

Nov 2017 to Nov 2017

- Using the Alexa Skills SDK, Amazon Web Services and Python, developed an Alexa Skill that when told a card name reads back information about the card to the user via the Amazon Echo.
- Skill also posts the card text to the Alexa app so you can read about the card on your phone, or tablet.
- Completed in 24 hours for UB Hacking 2017

### 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
- Implemented Euler's Method and described the derivation of the differential equation used to model the path using Markdown, Python, NumPy, and Matplotlib

### GroupMe Chat Bot

Mar 2017 to May 2017

- Created a bot that can recognize phrases in a message and respond to those messages with useful info Using Node.JS and the GroupMe API

## + skills

### PROGRAMMING

Java  
C++  
Python  
HTML/CSS  
Javascript  
SQL  
C#

### TOOLS

Linux  
Microsoft Office  
Git  
TortoiseSVN