# Dannen Roberts

Albany, New York · dannenro@buffalo.edu · (518)-577-8939

## EDUCATION

**University at Buffalo, The State University of New York** — Buffalo, NY
BS Computer Science, Mathematics Minor *GPA: 3.90* — Sep 2016 - May 2020

## SKILLS

| | |
|---|---|
| Languages: | C/C++, Python/Flask, MATLAB, Java, OCaml |
| Other CS skills: | SQL, Git/Github, Excel, HTML/CSS, Bootstrap |
| Soft Skills: | Detail Oriented, Thoughtful, Friendly, and Adaptable |
| Classes: | OOP, Machine Learning, Data Structures, Modern Algorithms, Web Security |

## WORK

**Mathworks** — Natick, MA
*Software Development Intern* — May 2019 | August 2019

- Oversaw and implemented the development of multiple new compiler features
- Collaborated with a large team to refine ideas and make a coherent product
- Used agile software practices to rapidly explore various possibilities
- Worked with multiple languages including C++, Java, and MATLAB

**University At Buffalo CS department** — Buffalo, NY
*Data Structures TA* — January 2019 | May 2019

- Managed time and balanced work schedule to hold office hours
- Individually tutored students and made use of different teaching styles to intuitively explain unclear concepts
- Lead recitations of more than 30 students in a friendly and informative manner

**Five Guys** — Albany, NY
*Cashier* — May 2018 | August 2018

- Interacted with customers in a kind and approachable way
- Worked in a fast paced team setting

## PROJECTS

**"LinkedVector Data Structure"** *C++* — https://github.com/dantheman5398/LinkedVector

- Designed a "LinkedVector" class and Iterator subclass to make a data structure that combines the strengths of both vectors and linked lists.

**Low Level Neural Net** *Python*

- Created a neural net from scratch in python, and then trained it using both doodles and digits

**City Finder** *Java, Weather and Map APIs* — https://github.com/dantheman5398/City-Finder

- Created a program that allows the user to search for a city and view it on a map
- Used weather and map APIs to display map and relevant weather information about the location

## INTERESTS

**Hackathons** *Python, MATLAB*
Participated in both UB and Mathworks hackathons. Made a boggle like game in MATLAB and a simple web application in Python.

**Interact Club Fundraiser**
Participated in a club centered around member directed community involvement. Personally organized a fundraiser with a local burger chain to raise money for constructing a school in Africa

## AWARDS

**Dean's List** — University At Buffalo
Recognition for outstanding academic performance — September 2016 - August 2019

**Provost Scholarship** — University at Buffalo
Awarded for excellent and promising University at Buffalo students — September 2016