

EDUCATION

The State University of New York	University at Buffalo	Aug 2016 – May 2020
<ul style="list-style-type: none">B.S. in Computer Science & Mathematics BA - Computing & Applied Mathematics ConcentrationCoursework: Object Oriented Programming; Discrete Mathematics; Design and Analysis of Algorithms; Data Structures; Intro to Machine Learning; Computer Organization; Applied Probability & Statistics; Differential Equations;		

EXPERIENCE

Network Operations Assistant	NCS , University at Buffalo	May 2017 – Present
<ul style="list-style-type: none">Developed scripts for network serversPerformed troubleshooting of Cisco, Juniper, Aruba & Lantronix networking peripheralsConfigured, installed and analyzed data performances of access points installed across 3 campuses		
Soccer Referee	Recreation & Intramurals	Dec 2016 - May 2017
<ul style="list-style-type: none">Officiated and ensued control in outdoor soccer games in a fast paced environment		
Student Assistant	Campus Dining & Shops	Aug 2016 - Dec 2016

TECHNICAL EXPERIENCE

Academic Projects

- Binary Safe: Programmed a ATtiny85 micro controller using Charlieplexing & debouncing techniques C
- DNA Sequencer: Developed a linear time $O(n)$ program which processes DNA sequences & applies base conversions for faster query results C++
- Fractal Visual Generator: Collaborated towards developing a fractal visualization software Java
- Candy Crush: Built a single-player tile matching game like Candy Crush by applying good software design & model-view separation principles Java
- Algorithms: Coded Dijkstra's, Prim's, Bellman Ford and other graph algorithms Python, Java, C++
- Portfolio: Designed personal website for a capstone project Bootstrap, HTML, CSS

Mathematical Projects

- Differential Equations: Developed commands for graphing slope fields, solution curves & phase portraits Maple
- Linear Algebra: Wrote commands in jupyter notebooks for computing large scale linear system problems Python

Hackathons / Personal Projects

- Palatable: Created a meal kit iOS application under 24 hours (Winner) MongoDB, Node.js, GCP
- RadioEcho: Made personalized intents for echo dot Amazon Skills Kit
- Distress Bot: Coded a chatbot & integrated with virtual FB Messenger API Node.js
- Phone Checker: Developing an iOS application to assert self control over phone usage Swift

ADDITIONAL EXPERIENCE AND AWARDS

- Winner:** Best use of Wegmans API UB Hacking 2018
- Scholarship:** Recipient of University at Buffalo Merit Scholarship
- Achievement:** Ranked among top student contributors on Piazza for Data Structures course Spring 2018

INVOLVEMENT

- Hackathons:** UB Hacking 2016 & 17; Dandy Hacks 2018; Brick Hacks 2018
- Member:** Association of Computing Machinery; Scientista; Badminton Club

SKILLS

- Languages:** C++; C; Python; Java; SQL; HTML; CSS; Swift;
- Technologies:** Bootstrap; Maple; Node.js; Git; Linux; MongoDB;
- Interests:** VR/AR Applications, Web or Mobile Development, Data Analytics