

# Nilesh Singh

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## EDUCATION

**University at Buffalo – State University of New York**

Buffalo, NY

Bachelor of Science in **Computer Science**

June 2020

Honors Cum Laude

- Undergraduate Teaching Award (only 5 awarded to graduating class)
- University at Buffalo International Merit Scholarship
- Matthew Grappone Scholarship

2020

2016 - 2020

Fall 2018, Fall 2019

## SKILLS

**Technical Skills:** Java, Python, JavaScript, HTML/CSS, C/C#/C++, SQL.

**Operating Systems:** Linux, Microsoft Windows, MacOS, Android, iOS.

**Tools and Libraries:** Eclipse, Visual Studio, Jupyter, Android Studio, Xcode, Unit Testing, React-Native, jQuery, Pandas, Tensorflow, Scikit-Learn, ZenHub, AWS, Git.

## EXPERIENCE

**SitusAMC Holdings Corp**

Buffalo, NY

Full Stack Software Developer, Analyst

Sep 2020 – Present

- Full-stack development - designed, developed, documented & tested new and existing software systems.
- Worked with T-SQL, SSRS, C# to automate various forms/reports used by banks in their mortgage and loan systems.
- Used various programming languages and frameworks including but not limited to .NET, .NET Core, C#, JavaScript, T-SQL, AWS, Azure, SSRS, etc.

**University at Buffalo Computer Science Department.**

Buffalo, NY

Head Teaching Assistant Intro to Machine Learning CSE 474/574

Jan 2020 – June 2020

- Co-ordinated and reduced the grading workload by 30% for the course using automated tools, helped make the course go fully online due to COVID-19.
- Development of Assignments and activities, supervise and mentor 20 teams of undergraduate students for their capstone Machine Learning projects (**Python, Tensorflow, Scikit-Learn**). Responsible for office hours, grading and helping 165 students with the Machine Learning topics.

Technical Program Manager – Software Engineering for CSE 442

Jan 2020 – May 2020

- Responsible for managing senior year software engineering teams for their projects using **Agile Methodologies** (version control, scrum board, etc.)
- Holding weekly stand-up meetings for progress and grading of teams for sprints.

**University at Buffalo Information Technology**

Buffalo, NY

Supervisor | Tech Squad Specialist

Sep 2017 – Oct 2019

- Manage and track the volume of tickets regarding any IT related issues, serving 32,000+ students, staff and faculty. Troubleshoot and maintained hardware alongside a team of Supervisors and network administrators for over 1000 workstations.
- Ensure the main printing and computing services of the University at Buffalo's libraries were staffed and running efficiently by Public Sites Consultants. Managing about 65 to 80 student consultants.
- Promoted within 6 months due to strong performance and organizational impact (1 year ahead of schedule)

## PROJECTS

Shuttle Finder App UB | **JavaScript | React-Native**

Sep 2019 - Dec2019

- A shuttle/bus finder app for UB students to check the timings for the shuttles for 30 locations at the location of their choice, also a static link to the shuttle's GPS in case they want to see the live location. Worked in a group and used agile version control, scrum and unit testing for development.

Yelp review - **Sentiment Analysis | Python | NLP**

Nov 2019

- Model to predict if review was good or bad after analysing the sentence based on a training set. Built on yelp dataset using Tensorflow libraries and LSTM models. Model Accuracy: 90%

Interpreter | **Python | OCaml**

Feb 2019 - Apr2019

- Constructed an interpreter, which could execute a program line by line and perform logical operations on different data types with around 600+ lines of code. Interpreter used varied scoping, iterated on data structures and executed functions with restricted scope.

DNA sequence Analyzer | **C++**

Mar 2018

- Built an assurance program to scan large sequences of DNA for errors and count the DNA AGCT molecules. - Huffman Coding, Recursion, Object Oriented Programming.