SANCHIT BATRA

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EDUCATION

University at Buffalo, The State University of New York　　　　　　　　　Anticipated May 2020
Bachelor of Science, Computer Science | Minor, Music Performance　　　　　　　　　GPA: 4.0/4.0

PROJECTS

Web Development

- Aided in the development of UBHacking's official website by implementing a UI for managing FAQs and designing the authentication pages using the Python framework Flask.
- Developed an unofficial lost and found website for the University at Buffalo. (https://ublostandfound.000webhostapp.com)
- Constructed a website for Roseate Engineering Services. (http://roseate.co.in)
- Created a personal website as a project for my seminar. (https://sanchitcop19.github.io)

Software Development

- Led the development of a fractal visualization software using Java, a team project for an introductory programming course.
- Built a tile-matching game similar to Candy Crush using Java by applying principles of good software design, the observer pattern, model-view separation and code readability.

WORK EXPERIENCE

University at Buffalo, Department of Computer Science　　　　　　　　August 2017 – Present
Teaching Assistant, CSE199
Assisted in recitations, mentored students and conducted office hours to answer questions.

University at Buffalo, Math Place　　　　　　　　　　　　　　September 2017 – Present
Tutor
Worked one on one with students to assist them in understanding critical concepts including algebra, trigonometry and calculus.

ACTIVITIES

- Ranked amongst the top 250 scholars at the WSC Tournament of Champions hosted by Yale University, won two bronze medals at the global round, stood 4th among 400 scholars in the Scholar's Challenge.
- Ranked in the top 4 bands at Buffalo Untapped, stood 1st in Cord 'n' Blend, an orchestral competition and 2nd in Wired'14, a rock band competition.
- Held the position of Deputy Under-Secretary General of Hospitality for H-MUN for 2 years during which I managed catering for over a thousand people and led a team of 8 people.
- Awarded "Best Explanation of a Complex Concept" for explaining the functioning of gyroscopes.
- Consistently stood as the top student contributor for the CSE116 Piazza page.
- Acquired national and international ranks in Science, Math, English, Cyber, Finance and SAT Olympiads.
- Performed in numerous plays organized by the Heritage School, one of which had me impersonate a female to drive home a point on gender equality for which I was lauded by students and teachers alike.

CAMPUS INVOLVEMENT

Design Club, *Treasurer*　　　　　　　　　　　　　　　　　　　August 2017 - Present
Association of Computing Machinery, *Member*　　　　　　　　　　August 2016 - Present
Scientista, *Member*　　　　　　　　　　　　　　　　　　　　October 2016 - Present
Jam Club, *Member*　　　　　　　　　　　　　　　　　　　September 2016 - Present
Cycling Club, *Member*　　　　　　　　　　　　　　　September 2016 – May 2017

SKILLS

Languages: Fluent in English and Hindi, Elementary in French
Technical Skills: Java, HTML, CSS, Bootstrap, Flask, PHP, SQL, C++, Python