

Satvik Sethia

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Education

- **University of Illinois at Urbana-Champaign**, Champaign, IL.
BS-LAS Computer Science
+ Linguistics
Expected Graduation – Fall 2020
GPA – 3.79, Dean's List – Fall 2017
- **The Heritage School**, Kolkata, India.
First in class, 96.8% (ISC 2017)

Skills and Coursework

Skills

- OOP – Java, C++, Python
- HTML, CSS, JavaScript, PHP
- Racket (Scheme)
- JSON and File manipulation
- Unity (C#)

Coursework

- CS 125 – Intro to CompSci
- CS 126 – Software Design Studio
- CS 173 – Discrete Structures
- MATH 241 – Multivariable Calculus
- LING 301 – Elements of Syntax

Leadership Positions

- **House Captain**
Took charge of and selected participants for events from among 500 students, personally trained a squad of 33 and won the March Past Cup.
- **Treasurer – Youthopia 2017**
Part of a 13-member team that organized the annual high school fest. Managed and raised the most funds in the history of the fest by negotiating with companies.
- **Treasurer – Publications Club**
Edited the annual high school magazine.

Projects

- **Backbeat**
Modified and enhanced the analysis methods for a music app that outlines the user's deviation from a target BPM. Presented a working demo of the app (Python, CS 196 2017).
- **Syntax Trees**
Made an application for generating the syntax trees of a sentence (given its part of speech tags) using the rules specified by the X-Bar Theory (Microsoft Visual Studio, openFrameworks v9.8, CS 126 2018).
- **3PS**
Solved problem of respawning enemies for a third person shooter game, integrated game with Oculus Rift. Plan to integrate it with the Myo armband (Unity, WildHacks 2017).

Work Experience

- **Contributing Writer at the Daily Illini (Sports)**
Covering Fighting Illini Women's Tennis and Women's Gymnastics for the student newspaper (2017-18).
- **Illinois Student Admissions Representative**
Giving two-hour long tours of the University of Illinois to prospective and admitted students and their families.
- **Course Assistant for CS125 (Intro to CompSci)**
Helping students in labs and by holding Office Hours.

Extracurricular Activities and Volunteer Work

- **Music**
Performed with the high school band for 5 years, played keyboard/piano and guitar. Learning the piano at the University.
- **Model UN**
Won in every Model UN Conference attended as International Press (IP), chaired IP at The Heritage School Model UN Conference (National, 2016 and 2017).
- **Student Exchange Program**
Travelled to Germany as part of a Student Exchange Program (Pasch 4, 2014).
- **As Secretary of the Interact Club 2015-2016**
Sold unused clothes and household equipment to the school help at subsidized rates, helped in the execution of a cultural program for physically and mentally challenged students, and distributed blankets to the homeless in the winter.