

VISHNU R. BACHANI

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EDUCATION

New York University (New York, NY) Sep 2015 – May 2018

- B.A. in Mathematics, B.A. in Music with high honours, GPA: 3.5/4
- Recipient of the Gustave Reese Memorial Prize in Music and the Best Thesis Presentation prize at the 2018 Undergraduate Research Conference ([thesis](#), [video](#))
- Relevant coursework: Abstract Algebra, Galois Theory, Real Analysis, Differential Geometry, Ordinary + Partial Differential Equations, Theory of Probability, Numerical Analysis, Mathematical Modeling, Doctoral Proseminar in Musicology, Schenkerian Analysis, Sonic Phenomenology, Renaissance and Baroque Counterpoint

WORK EXPERIENCE

New York University Expository Writing Program (New York, NY) Sep 2016 – May 2018

Senior Tutor (Peer Tutor from Sep 2016 – May 2017)

- Recruited from a pool of several hundred students across freshman core writing classes
- Worked one-on-one with undergraduate and graduate students from all disciplines in the University Writing Center

Yleana Leadership Academy (Hamilton, NY and Beverly, MA) Jun 2016 – Aug 2016

Assistant Teacher/Counselor

- Taught classes of 6-10 students in SAT Reading, Writing, Math, and Essay in a full-time residential camp
- Performed data analysis with Power BI to create personalized curricular plans resulting in a 200-point average test score increase

University Neighborhood Middle School (New York, NY) Sep 2015 – Dec 2015

Tutor (via NYU America Reads)

- Tutored students twice a week in mathematics, resulting in increased engagement and performance

LEADERSHIP AND ACTIVITIES

Courant Splash (New York, NY) Apr 2016 – Apr 2018

Organizing Assistant, Lecturer

- Assisted in organizing an annual mathematics lecture series for high schoolers with publicity and marketing
- Gave lectures on mathematics and music (2018 [abstract](#), 2017 [video](#) and [abstract](#), 2016 [video](#) and [abstract](#))

New York University Music Ensembles (New York, NY) Sep 2015 – May 2018

Trombonist, Singer

- Played classical trombone with NYU Community Orchestra and Concert Band, jazz trombone with University Jazz Ensemble
- Bass singer and soloist with NYU Chorale (Fall 2015)

Share Meals (New York, NY) Nov 2015 – Dec 2016

Operational Officer

- Developed solutions to combat food insecurity on university campuses (see [website](#))
 - Mobile app to connect students with surplus meals to students in need of meals
 - Anonymous emergency meal fund system (sponsored by the university)
- Worked on public relations and presented at a UN Sustainable Development Goals conference ([video](#))
 - Compiled data from food insecurity survey into infographic used to lobby university for setting up an emergency meal fund
 - Circulated meal plan usage survey and calculated estimates of university-wide meal plan underutilization

New York University Crew Team (New York, NY) Sep 2015 – Dec 2016

Novice and Varsity Rower

- Rowed competitively every weekday with 3-5 intercollegiate regattas per season in major Northeast cities

HONORS, SKILLS, AND INTERESTS

Honors: Eagle Scout, 2013 Drum Corps International Open Class Champion

Languages: English (native speaker), Hindi (native speaker), Spanish (working proficiency)

Skills: Microsoft Office, Power BI, MATLAB, C++, LaTeX, Adobe Premiere (see [my film](#)), Illustrator, trombone, piano

Interests: Concert reviewing (for [New York Classical Review](#) and [Bachtrack](#)), Vipassanā meditation, Quora ([2018 Top Writer](#))