

# Sanjit Bhat | Résumé

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## Education

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- **Acton-Boxborough Regional High School** **Acton, MA**  
*Weighted GPA: 4.4/5.0, Unweighted GPA: 3.9/4.0* *Fall 15–Present*
  - 2018–19 AP Courses: Statistics, Chemistry, English Literature, Spanish Language, Psychology
  - ACT Composite (34/36); SAT Subject Tests: Math II (800/800), Biology E (790/800)
  - Completed APs: BC Calculus (5/5), Computer Science A (5/5), Physics C: Mechanics (5/5), U.S. History (5/5)
- **Harvard University Extension School** **Cambridge, MA**  
*Multivariable Calculus, Linear Algebra (In Progress), GPA: 4.0/4.0* *Fall 18–Spring 19*
- **AlphaStar Academy** **Santa Clara, CA**  
*USA Computing Olympiad (USACO) Silver, Gold, and Platinum courses* *Summer 16–Summer 17*  
Computational geometry, data structures, search techniques, graph algorithms, and dynamic programming

## Extra-Curricular Activities

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- **MIT Program for Research in Math, Engineering, and Science (PRIMES)** **Cambridge, MA**  
*Third-year student in highly-selective, year-long high school research program* *Jan 17–Present*
  - Project 1: Attacking and defending users' anonymity on Tor Network (Jan 2017–Aug 2018)
    - Research at the intersection of secure communication and applied deep learning (self-studied via Fast.ai)
    - Semifinalist in prestigious 2017 Siemens Competition for high school research
    - Second-author of defense paper published at WPES; first-author of attack paper under review at PETS
  - Project 2: Adversarial machine learning—Mądry Lab, MIT (Jan 2018–Present)
    - Research includes techniques from linear algebra, theoretical machine learning, and convex optimization
    - National Scholar in 2019 Regeneron Science Talent Search Competition with paper on efficient robust ML
- **AB IdeaLab (AB's Computer Science Club)** **Acton, MA**  
*Co-Captain (Fall 17–Present)* *Fall 15–Present*
  - Plan team meetings, write teaching material, and assist members with creating and executing original projects
  - Train competitive programming team—ranked #1 nationally in 2018–19 ACSL contest
- **ABRHS Marching and Concert Bands** **Acton, MA**  
*Principal Tuba (Fall 17–Present)* *Fall 15–Present*
  - 3<sup>rd</sup> chair concert band tuba player at 2018 and 2019 MMEA Eastern District Senior Festivals

## Honors and Awards

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- **MIT Blueprint Hackathon—1<sup>st</sup> place in Main Division**  
Integrated computer vision and databases for real-time, collaborative music synthesis *Feb 19*
- **USA Computing Olympiad—Gold Level**  
Penultimate level in highly-competitive high school CS Olympiad *Dec 16*

## Work Experience

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- **KTByte Computer Science Academy—Teaching Assistant** **Lexington, MA**  
Assisted students with introductory–mid level CS using Java and Processing *July 15–Jan 17*

## Technical Skills

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- **Languages:** Python, Java,  $\text{\LaTeX}$
- **Libraries/Frameworks:** TensorFlow, NumPy, Keras, Git
- **OS:** Windows, Unix/Linux