Sanjit Bhat | Résumé

27 Lexington Dr, Acton, MA 01720

(978) 621-1365 • sanjit.bhat@gmail.com
people.csail.mit.edu/sanjit-bhat

Education

- **Acton-Boxborough Regional High School** — **Acton, MA**
  Weighted GPA: 4.4/5.0, Unweighted GPA: 3.9/4.0 — *Fall 15–Present*
  - 2018–19 Courses: AP 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 (Grade TBD), Linear Algebra (In Progress) — *Fall 18–Spring 19*
- **AlphaStar Academy** — **Santa Clara, CA**
  USA Computing Olympiad (USACO) Silver, Gold, and Platinum courses — *Summer 16–Summer 17*
  Learned computational geometry, data structures, search techniques, graph algorithms, and dynamic programming

Extra-Curricular Activities

- **MIT Program for Research in Math, Engineering, and Science (PRIMES)** — **Cambridge, MA**
  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)
    - Independently learned best practices and techniques for applied deep learning via Fast.ai
    - Semifinalist in prestigious 2017 Siemens Competition for high school research
    - Presented at MAA Undergraduate Student Poster Session of 2018 Joint Mathematics Meeting, San Diego
    - First-author of paper under review at 2019 Privacy Enhancing Technologies Symposium conference
    - Second-author of paper accepted into 2018 ACM Workshop on Privacy in the Electronic Society
  - Project 2: Adversarial machine learning (Jan 2018–Present)
    - Working in Mądry Lab at MIT on developing efficient methods to train robust deep neural networks
    - Research includes techniques from linear algebra (self-studied via MIT OpenCourseWare), asynchronous parallelism, and convex optimization
- **AB IdeaLab (AB's Computer Science Club)**
  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
  - Planned and executed Major League Hacking local hack day (AB's Hackathon) in Dec 2017
- **ABRHS Marching, Concert, and Jazz Bands**
  Principal Tuba (Fall 17–Present), Trumpet (Fall 15–Spring 17) — *Fall 15–Present*
  - 3rd chair concert band tuba player at 2018 and 2019 MMEA Eastern District Senior Festivals
  - AB marching band received gold medal at 2017 and 2018 state-level MICCA competition
- **Boy Scouts of America, Troop 284** — **Acton, MA**
  Eagle Scout (Earned Sep 16) — *April 12–Present*
  - Achieved highest rank in Boy Scouts. Led project to paint local TV studio sets and enhance production value
  - As Senior Patrol Leader, planned troop meetings and events and was primary interface between scouts and adults
- **AB Science Olympiad Team**
  Member of 15-student team that won 1st place at Yale Invitational Tournament — *Fall 15–Spring 17*

Honors and Awards

- **USA Computing Olympiad—Gold Level**
  Penultimate level in highly-competitive high school CS Olympiad *Dec 16*
- **MIT Blueprint Hackathon—1st place in Rookie Division**
  Created a game that integrated visual perception, auditory cues, and motor functions *Feb 16*
- **President's Volunteer Service Award**
  Received Gold-level in 2015, 2016 and AB community service award in 2017, 2018 *Jan 15–Dec 18*
- **National Honor Society**
  Member of Raymond J. Grey chapter *Spring 18–Present*

Work Experience

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

Community Service

- **Peer Tutor** **Acton, MA**
  Help high school students develop strong understanding across several subject areas *Fall 17–Present*
- **Central MA Regional Student Advisory Council—Regional Delegate** **Hudson, MA**
  Elected into committee that discussed solutions to pertinent educational issues *Fall 16–Spring 18*
- **Science Discovery Museum—Volunteer** **Acton, MA**
  Helped young children explore science through hands-on exhibits *July 15–May 17*

Technical Skills

- **Languages:** Python, Java, LaTeX
- **Libraries:** TensorFlow, NumPy, Keras
- **OS:** Windows, Unix/Linux