

NATHAN J. SHANKAR

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EDUCATION

- **Pomona College** Claremont, CA
Pursuing a B.A. in Mathematics and Economics (double major); GPA: 4.00/4.00 *Graduation: May 2022*
 - **Math/C.S. Courses:** Groups & Rings, Real Analysis, Linear Algebra, Differential Equations, Vector Calculus, Mathematical Modeling, Operations Research, Scientific Computing, Functional Programming, Image Processing (IP), Probability (IP)
 - **Economics Courses:** Macroeconomic Theory, Microeconomic Theory, Econometrics (IP)
- **Evanston Township High School** Evanston, IL
GPA: 3.99 unweighted, 4.52 weighted; SAT: 1590/1600 *Graduation: May 2018*

WORK EXPERIENCE & COMMUNITY INVOLVEMENT

- **Pomona College Writing Center** Claremont, CA
Writing Partner *May 2020 - Present*
 - Consult peers from a variety of backgrounds on papers from a variety of academic disciplines. Help students brainstorm, reflect thoughtfully upon their work, and realize their own writing goals and style. Trained on writing pedagogy through weekly workshops and discussions with fellow writing partners.
- **Pomona College Department of Mathematics** Claremont, CA
Teaching Assistant/Grader *Jan 2019 - Present*
 - TA for Linear Algebra (MATH 60) for Spring 2019, Fall 2019, Fall 2020 semesters. Host mentor sessions twice weekly to assist students with homework and answer questions. Help create an inclusive and equitable academic environment by facilitating collaboration and building relationships with students. Grader for Abstract Algebra (MATH 172) during Spring 2020 semester.
- **Pomona College Department of Mathematics** Claremont, CA
Research Assistant *May 2020 - August 2020*
 - Awarded a Pomona College RAISE grant to assist Prof. Ami Radunskaya for summer 2020. Integrated GIS software, NetLogo, and R to develop, program, and analyze an agent-based model aimed at predicting the effects of overdose prevention sites (OPS) on the opioid crisis in Philadelphia, PA.

LEADERSHIP & ACTIVITIES

- **Asian American Mentor Program** Claremont, CA
Mentor *May 2019 - May 2020*
 - Provide academic and emotional support for Pomona College first-years who identify as Asian-American. Help plan weekly activities for group of 11 mentees, as well as organization-wide workshops and events.
- **Pomona College Choir** Claremont, CA
Auditioned Member *Aug 2018 - Dec 2019*
 - Bass section singer for selective group that performs in concert every semester. Past repertoire includes rarely-performed Latin American baroque-period pieces, Bach's *Magnificat*, and Duruflé's *Requiem*.

AWARDS & HONORS

- **Jaeger Mathematics Prize (2019):** Awarded to a Pomona student for excellence in first-year math.
- **National Merit Scholarship (2018):** Awarded for exemplary academic skills & leadership.
- **Hall Award (2018):** Awarded to one student each year from class of 850 for excellence in chemistry.

SKILLS

- **Computer:** Java, Python, Matlab, Mathematica, Stata, L^AT_EX.
- **Languages:** English (native), Chinese (intermediate).