NATHAN J. SHANKAR

http://www.linkedin.com/in/nathan-j-shankar

Email: njsa2018@mymail.pomona.edu
Mobile: +1 (224)-475-7506

Education

- **Pomona College** — Claremont, CA
  B.A. in Mathematics; GPA: 4.00; summa cum laude — *Graduation: May 2022*
  - **Selected Math Courses:** Linear Algebra, Vector Calculus, Probability, Real Analysis I & II, Stochastic Processes, Computational Statistics, Scientific Computing, Monte Carlo Methods, Applied Topology, Harmonic Analysis
  - **Economics Courses:** Macroeconomic Theory, Microeconomic Theory, Econometrics, Technology & Growth
- **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 - May 2022*
  - Consulted peers from a variety of backgrounds on papers from a variety of academic disciplines.
  - Helped students brainstorm, reflect thoughtfully upon their work, and realize their own writing goals and style.
  - Oversaw course design as specialist partner for quantum mechanics laboratory during fall 2020 and 2021 semesters.
- **Pomona College Department of Mathematics** — Claremont, CA
  Teaching Assistant/Grader — *Jan 2019 - May 2022*
  - TA/grader for Linear Algebra, Group Theory, Statistics, and Operations Research for a total of seven semesters.
  - Hosted mentor sessions twice weekly to assist students with homework and answer questions.
  - Created inclusive, equitable academic space by facilitating collaboration and building relationships with students.
- **University of Maryland, College Park Department of Computer Science** — College Park, MD
  NSF Summer Researcher — *June 2021 - August 2021*
  - Worked with diverse team to perform comparison study of facial recognition bias in humans and machines.
  - Used Flask/CSS to build user-friendly survey interface; wrote R scripts to run statistical analyses on study data.
  - Paper in proceedings at International Conference on Machine Learning (ICML).
- **Pomona College Department of Economics** — Claremont, CA
  Research Assistant — *Nov 2020 - May 2021*
  - Assisted Prof. Emiliano Huet-Vaughn with multiple research projects in public, labor, and behavioral economics.
  - Built pipeline to scrape menu price information from 7,000 California restaurants for ongoing minimum wage study.
  - Used Stata to perform event study regression on link between state TANF policy and congressional election outcomes.
- **Pomona College Department of Mathematics** — Claremont, CA
  Research Assistant — *May 2020 - August 2020*
  - Awarded Pomona College RAISE grant to assist Prof. Ami Radunskaya for summer 2020.
  - Integrated ArcGIS, NetLogo, and R to develop agent-based model of overdose prevention sites in Philadelphia, PA.
  - Contributor to paper published in *Harm Reduction Journal* (Wares et al., October 2021).

Awards & Honors

- **Hugh J. Hamilton Prize (2022)**: Awarded to top three graduating senior math majors at Pomona College.
- **Fulbright Scholarship (2022)**: Awarded grant to teach English in Taiwan for 2022-23 school year.
- **Phi Beta Kappa (2021)**: One of eight students in class of 400 to be inducted into honor society as third-year.
- **National Merit Scholarship (2018)**: Awarded $2,500 for exemplary academic skills & leadership.

Skills

- **Computer**: R (fluent), Stata (intermediate), Python (intermediate), Excel (intermediate).
- **Languages**: English (native), Chinese (intermediate).