

Artash Nath

RESEARCH & ENGINEERING

artash@stanford.edu | Stanford, California / Toronto, Canada

Stanford computer science undergraduate working across autonomous systems, ocean sensing, and scientific computing. My work connects scientific questions with physical systems, public tools, and engineering communities.

EDUCATION

Stanford University | Undergraduate Computer Science

2024-2028 (expected). Interests: autonomous systems, perception, environmental sensing, and scientific computing.

ENGINEERING, RESEARCH & LEADERSHIP

Stanford Student Robotics | Co-President | Current

Lead a 150-student organization and directly manage over \$100,000 in funding. [Source](#)

Stanford UAV Team | Co-Lead; involved since 2024 | 2024-present

Aircraft, autonomy, embedded computing, sensor integration, and flight-test planning. [Source](#)

Stanford DroneHacks | Founder & Director | 2026

Raised \$200,000 in cash for the intercollegiate drone hackathon. Event scheduled November 6-8, 2026. [Source](#)

You-Oceans | Founder | 2023-present

Ocean-acoustics analysis, hydrophone hardware, telemetry, and drone-deployment prototypes. [Source](#)

FlyX Technologies | Engineering internship | 2026

High-level professional experience in autonomy, simulation, and physical systems. [Source](#)

Natural Resources Canada | Scientific volunteer | June 2021-July 2022

Environmental-data analysis, simulations, and visualizations for Saint Lawrence River research.

SELECTED HONORS & FELLOWSHIPS

2025-2026 | **Eureka Fellowship for Youth Changemakers**

AstraZeneca Canada & Plan International Canada. [Source](#)

2025 | **Best Hack Using a Vision Language Model**

Vespa.ai, TreeHacks; Miru team prize. [Source](#)

2024 | **Gloria Barron Prize for Young Heroes**

Ocean-monitoring work. [Source](#)

2022 | **Second Award, Earth and Environmental Sciences**

Regeneron ISEF; category grand award. [Source](#)

2021 | **Rise Global Winner / Fellow**

Inaugural cohort. [Source](#)

2020 | **Most Inspirational global category award**

NASA Space Apps COVID-19 Challenge; with Arushi Nath. [Source](#)

Research & contributions

ARTASH NATH | SELECTED PUBLICATIONS, CONFERENCE RECORDS & SERVICE

SELECTED RESEARCH

Perry, H. K. C.; Koper, K. D.; Nath, A.; McNamara, D. E. (2025). **Seasonal Variability in Microseismic Energy Associated with Waves, Wind and Surface Conditions in the Saint Lawrence River, Canada.**

Environmental Seismology · Seismological Society of America · Poster 30 · Denver, 14-18 October 2025.

[Conference abstract](#). [Source](#)

Lucille Chapuis; Mihai Burca; Tess Gridley; Xavier Mouy; Artash Nath; Sophie Nedelec; Mark Roberts; Sophie Seeyave; Jim Theriault; Ed Urban; Rob Williams; Walter Zimmer. (2025). **Development of a low-cost hydrophone for research, education, and community science.**

One Ocean Science Congress · Nice, France, 3-6 June 2025 · OOS2025-71 · DOI: 10.5194/oos2025-71.

[Conference abstract](#). [Source](#)

Lucille Chapuis; Mihai Burca; Tess Gridley; Xavier Mouy; Artash Nath; Sophie Nedelec; Sophie Seeyave; Jim Theriault; Ed Urban; Rob Williams; Walter M. X. Zimmer. (2024). **Development of a Low-Cost Hydrophone for Research, Education, and Community Science.**

OCEANS 2024 - Halifax · IEEE · pp. 1-7 · DOI: 10.1109/OCEANS55160.2024.10754094.

[Conference proceedings](#). [Source](#)

Artash Nath. (2023). **Deep Learning for the Simultaneous Detection of Multiple Marine Mammal Species Using Hydrophone Data.**

AGU Fall Meeting · OS14A-07 · oral presentation.

[Conference abstract](#). [Source](#)

Vikas Nath and Artash Nath. (2016). **Environment Monitoring Using Commercial Off-the-Shelf (COTS) Technologies.**

WITFOR 2016 · IFIP AICT 481 · Springer · pp. 37-44.

[Conference chapter](#). [Source](#)

SCIENTIFIC & COMMUNITY SERVICE

Global Sounds - Low-Cost Hydrophones

Working-group participant in the POGO/IQOE-associated collaboration. The 2026 report documents collective work; participant credit is distinct from report authorship. [Source](#)

EarthEcho International

Youth Leadership Council alumnus, 2022 cohort. [Source](#)

COMPLETE PROFESSIONAL RECORD

The website contains the complete bibliography, project case studies, recognition, and speaking records. This is a selected CV; publication formats and shared credits are preserved.

[Research record](#) | [Selected work](#) | [GitHub](#) | [LinkedIn](#)