Sebastian (Sebo) Diaz

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Education

Massachusetts Institute of Technology & Harvard University June 2023 – Present
Ph.D., HST/Computer Science Artificial Intelligence Laboratory (CSAIL) GPA: 5.00 / 5.00

University of Arizona Aug. 2019 – May 2023
B.S., Biomedical Engineering; Minor in Mathematics GPA: 3.95 / 4.00

Relevant Research

Robust Fetal Pose Estimation across Gestational Ages via Cross-Population Augmentation.
In Review 2025
Diaz, S., Billot, B., Dey, N., Zhang, M., Abaci-Turk, E., Grant, E., Golland, P., Adalsteinsson, E.

Design of Novel RF Pulse for Fetal MRI Refocusing Trains Using Rank Factorization (SLfRank) to Reduce SAR and Improve Image Acquisition Efficiency. ISMRM 2022
Diaz, S., Arefeen, Y., Gagoski, B., Grant, E., Adalsteinsson, E.

Fetuses Made Simple: Modeling and Tracking of Fetal Shape and Pose. MICCAI 2025 (Early Accept)
Liu, Y., Wang, P., **Diaz, S.**, Billot, B., Abaci-Turk, E., Grant, E., Golland, P.

Stochastic-Offset-Strategy Enhanced RF Pulse Optimization with Auto-Differentiation. ISMRM 2024
Zhang, M., Arango, N., **Diaz, S.**, White, J., Adalsteinsson, E.

Sub-Millimeter Endoscope Demonstrates Feasibility of In Vivo Reflectance Imaging, Fluorescence Imaging, and Cell Collection in the Fallopian Tubes. Journal of Biomedical Optics 2021
Cordova, R., Kiekens, K., Burrell, S., Drake, W., **Diaz, S.**, Kmeid, Z., Rice, P., Rocha, A., Yamada, S., Yozwiak, M., Nelson, O. L., Rodriguez, G. C., Heusinkveld, J., Shih, I-M., Alberts, D. S., Barton, J. K.

Awards & Honors

Graduate Research Fellowship Program 2024
National Science Foundation

MathWorks Graduate Fellow 2024
MathWorks

School of Engineering - Distinguished Graduate Student Fellow 2023
Massachusetts Institute of Technology

Program for Exemplary Mentoring Fellow 2023
Massachusetts Institute of Technology

Goldwater STEM Scholarship 2022
Goldwater Foundation

Sophomore of the Year 2021
University of Arizona

Native Health Care Scholar 2021
Udall Foundation