

Sebastian (Sebo) Diaz

MIT
Cambridge, MA, 02139

sebodiaz@csail.mit.edu
seboddiaz@gmail.com

Education

Massachusetts Institute of Technology & Harvard University <i>Ph.D., HST/Computer Science Artificial Intelligence Laboratory (CSAIL)</i>	June 2023 – Present GPA: 5.00 / 5.00
University of Arizona <i>B.S., Biomedical Engineering; Minor in Mathematics</i>	Aug. 2019 – May 2023 GPA: 3.95 / 4.00

Relevant Research

Robust Fetal Pose Estimation across Gestational Ages via Cross-Population Augmentation. MICCAI 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 <i>National Science Foundation</i>	2024
MathWorks Graduate Fellow <i>MathWorks</i>	2024
School of Engineering - Distinguished Graduate Student Fellow <i>Massachusetts Institute of Technology</i>	2023
Program for Exemplary Mentoring Fellow <i>Massachusetts Institute of Technology</i>	2023
Goldwater STEM Scholarship <i>Goldwater Foundation</i>	2022
Sophomore of the Year <i>University of Arizona</i>	2021
Native Health Care Scholar <i>Udall Foundation</i>	2021