

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)

University of Arizona

Aug. 2019 – May 2023

B.S., Biomedical Engineering with Minor in Mathematics

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