

Sebastian (Sebo) Diaz

MIT
Cambridge, MA, 02139

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

Education

Massachusetts Institute of Technology <i>Ph.D., Machine Learning / HST</i> <i>Research Group(s): Computer Science & Artificial Intelligence Laboratory (CSAIL)</i> <i>Research Laboratory of Electronics (RLE)</i> <i>Advisor(s): Elfar Adalsteinsson & Polina Golland</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

- *Learning Alongside Invariant Representations: Simplified Domain Generalization.*
In Preparation. Most up-to-date draft upon request.
Diaz, S., Dey, N., Zhang, M., Abaci-Turk, E., Grant, E., Golland, P., Adalsteinsson, E.
- *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
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.

Invited Talks

Learning Alongside Invariant Representations: Robust Generalization in Medical Imaging Boston, MA	Sept. 29th, 2025 MIT IMES Department Retreat
---	---

Awards & Honors

Graduate Research Fellowship Program National Science Foundation	2024
MathWorks Graduate Fellow MathWorks	2024
School of Engineering - Distinguished Graduate Student Fellow Massachusetts Institute of Technology	2023

Program for Exemplary Mentoring Fellow	2023
<i>Massachusetts Institute of Technology</i>	
Goldwater STEM Scholarship	2022
<i>Goldwater Foundation</i>	
Sophomore of the Year	2021
<i>University of Arizona</i>	
Native Health Care Scholar	2021
<i>Udall Foundation</i>	

Reviewer

MICCAI: PIPPI	2025
CVPR	2026