

Stanford

Asef Islam

Masters Student in Biomedical Data Science, admitted Winter 2023

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

AI in medicine and other fields, particularly ML and CV techniques

Publications

PUBLICATIONS

- **Landmark-free morphometric analysis of knee osteoarthritis using joint statistical models of bone shape and articular space variability** *JOURNAL OF MEDICAL IMAGING*
Charon, N., Islam, A., Zbijewski, W.
2021; 8 (4): 044001
- **Coupled Active Shape Models for Automated Segmentation and Landmark Localization in High-Resolution CT of the Foot and Ankle**
Brehler, M., Islam, A., Vogelsang, L., Yang, D., Sehnert, W., Shakoor, D., Demehri, S., Siewerdsen, J. H., Zbijewski, W.
edited by Gimi, B., Krol, A.
SPIE-INT SOC OPTICAL ENGINEERING.2019
- **Comparison of Manual and Automated Measurements of Tracheobronchial Airway Geometry in Three Balb/c Mice** *ANATOMICAL RECORD-ADVANCES IN INTEGRATIVE ANATOMY AND EVOLUTIONARY BIOLOGY*
Islam, A., Oldham, M. J., Wexler, A. S.
2017; 300 (11): 2046-2057