

## Asef Islam

- Masters Student in Biomedical Data Science, admitted Winter 2023
- Masters Student in Computer Science, admitted Autumn 2022

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

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

### Publications

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#### 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., 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