Stanford

Benjamin N. Frey

Ph.D. Student in Applied Physics, admitted Autumn 2022

Bio

BIO

In May of 2022, I graduated as a Schulze Innovation Scholar from the University of St. Thomas (Saint Paul, MN).

I am interested in developing sensing and imaging technologies that can increase access to basic diagnostic healthcare.

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, University of St. Thomas (Saint Paul, MN) , Physics (2022)
- Bachelor of Science, University of St. Thomas (Saint Paul, MN) , Computer Science (2022)
- Bachelor of Arts, University of St. Thomas (Saint Paul, MN) , Business Administration (2022)

LINKS

- Portfolio Website (benfrey.com): https://www.benfrey.com

Publications

PUBLICATIONS

- **Multi-stage investigation of deep neural networks for COVID-19 B-line feature detection in simulated and in vivo ultrasound images**
  Frey, B., Zhao, L., Fong, T., Bell, M., Drukker, K., Iftekharuddin, K. M.
  SPIE-INT SOC OPTICAL ENGINEERING.2022

- **Semicomputational calculation of Bragg shift in stratified materials** *PHYSICAL REVIEW E*
  Frey, B., Snyder, P., Ziock, K., Passian, A.
  2021; 104 (5): 055307