

Jacob Reinhold

CONTACT INFORMATION	Email: jacob.reinhold@jhu.edu	Website: https://jcreinhold.github.io
EDUCATION	Johns Hopkins University <i>Ph.D., Electrical Engineering</i>	Expected May 2022
	The University of Texas at Austin <i>B.S., Electrical Engineering</i>	December 2016
PROGRAMMING EXPERIENCE	<i>Languages:</i> Python, Julia, C, C++ <i>Tools:</i> Linux/Unix, Git, L ^A T _E X, MATLAB, Mathematica, Docker, Singularity	
RESEARCH & PROFESSIONAL EXPERIENCE	Johns Hopkins University <i>Graduate Research Assistant</i>	Baltimore, MD Aug 2017 – Present
	<ul style="list-style-type: none">• Research data normalization, anomaly detection and image synthesis techniques for MR and CT images of the brain• Develop machine learning and statistical python packages for image processing and analysis using scikit-learn and PyTorch.	
	Applied Research Laboratories, The University of Texas at Austin <i>Engineering Scientist Associate</i>	Austin, TX Nov 2014 – Jun 2017
	<ul style="list-style-type: none">• Worked on a team delivering scientific software packages to various stakeholders.• Created python packages using NumPy, SciPy, and Matplotlib.	
	Biomedical Informatics Lab, The University of Texas at Austin <i>Undergraduate Research Assistant</i>	Austin, TX May 2016 – Aug 2016
	<ul style="list-style-type: none">• Supported scientific research in the field of medical imaging using MATLAB• Wrote scientific papers and presentations	
	US Marine Corps Reserves <i>Platoon Sergeant</i>	Feb 2010 – Oct 2015
	<ul style="list-style-type: none">• Meritoriously promoted to manage and advise over 20 junior Marines	
SELECTED PUBLICATIONS	J. Reinhold, B. Dewey, A. Carass, J. Prince, “Evaluating the Impact of Intensity Normalization on MR Image Synthesis” SPIE Medical Imaging Symposium, To Appear February 2019, San Diego, CA.	
HONORS & AWARDS	Ferdinand Hamburger Jr. Fellowship (2017-2018) Raytheon-SVA Scholarship (2016) Frederic and Julia Weigl Scholarship (2016) Jean Perkins Combat Veteran Scholarship (2015) Jerry A. and Martha Lel Hawkins Endowed Scholarship (2014-2015)	