

John Franklin Crenshaw

CONTACT INFORMATION	Email: jfc20@uw.edu Web: jfcrenshaw.github.io ORCID: 0000-0002-2495-3514	University of Washington Physics Dept Box 351560 Seattle, WA 98195
EDUCATION	University of Washington , Seattle, WA USA Ph.D. Physics, expected May 2025 Advisor: Andrew Connolly Duke University , Durham, NC USA B.S. in Physics, May 2019 <i>summa cum laude</i> with Highest Distinction Advisor: Kate Scholberg Thesis: <i>Sensitivity of the Helium and Lead Observatory to CCSN Neutrino Bursts</i>	
RESEARCH EXPERIENCE	Graduate Researcher , DIRAC Institute, University of Washington Dark Energy Science Collaboration (DESC), Vera C. Rubin Observatory Advisor: Andrew Connolly Undergraduate Researcher , Duke University Duke Neutrino and Cosmology Group HALO Supernova Neutrino Detector Advisor: Kate Scholberg Undergraduate Researcher , Karlsruhe Institute of Technology Institute for Nuclear Physics IceTop Cosmic Ray Detector Advisor: Andreas Haungs	Aug 2019 - Aug 2016 - May 2019 May - Aug 2018
FELLOWSHIPS & AWARDS	<ul style="list-style-type: none">• Duke Faculty Scholar• Daphne Chang Memorial Award, Duke Physics Department• Highest Distinction for Undergraduate Thesis Research• DAAD RISE Research Exchange Scholarship	2018 - 2019 2019 2019 2018
PUBLICATIONS	Crenshaw, J.F. & Connolly, A.J. 2020 <i>AJ</i> , 160, 191. <i>Learning Spectral Templates for Photometric Redshift Estimation from Broadband Photometry</i>	
INVITED SEMINARS & COLLOQUIA	Gruen Weak Lensing Group, KIPAC, SLAC National Lab (<i>online</i>) <i>Deconvolving Galaxy Spectra from Broadband Photometry</i>	Sep 2020
CONFERENCE TALKS	Rubin Observatory Project & Community Workshop (<i>online</i>) DESC Winter Meeting (<i>Tucson, AZ</i>)	July 2020 Jan 2020
RESEARCH POSTERS	Duke Physics Undergraduate Research Symposium (<i>Durham, NC</i>) 5th Joint Meeting of APS and Physical Society of Japan (<i>Waikoloa, HI</i>) Neutrino 2018 (<i>Heidelberg, Germany</i>)	April 2019 Oct 2018 June 2018
TEACHING EXPERIENCE	Teaching Assistant, Intro Physics Courses, Duke University Physics and Math Tutor, Duke University	Aug 2016 - May 2019 Jan 2016 - May 2019
DEPARTMENT & UNIVERSITY LEADERSHIP	Physicists for Inclusion and Equity (PIE) Officer, UW Departmental Review Student Committee, Duke Physics Department	2020 - 2018

OBSERVING
EXPERIENCE

Apache Point Observatory - 3.5 m, DIS: 3 nights

PROFESSIONAL
SOCIETIES

American Astronomical Society (AAS)
American Physical Society (APS)
Phi Beta Kappa
Duke Society of Physics Students (SPS)