# Devin Short

Doctoral Candidate / Department of History
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## EDUCATION

Ph.D., History / University of Washington / 2023 (projected)
ABD December 2020
Dissertation: *Leaving the Realm of Little Science: Climate Change and Computer Modeling in the United States*
Advisor: Bruce Hevly
Exam Fields / Advisors:
History of Physics / Bruce Hevly
Twentieth Century United States / Margaret O'Mara
Philosophy of Physics / Benjamin Feintzeig
History of Medicine in the Global South / Adam Warren
Graduate Certificate in Climate Science / University of Washington / 2023 (projected)
M.A., History / University of Washington / 2018
M.Sc., Chemistry / Simon Fraser University / 2018
Thesis: *Nuclear Isobar Separation for Penning Trap Mass Measurements at TRIUMF*
B.Sc., Physics / University of Washington / 2012

## AWARDS AND HONORS

American Meteorological Society Graduate Fellowship in the History of Science / 2021
Power Prize Honorable Mention for outstanding history graduate student essay / 2021
UW History Department Digital History Fellowship / 2021
UW History Department Digital History Fellowship / 2020
UW History Department Digital History Fellowship / 2018
Rondeau Evans Fellowship / 2016-2017
Simon Fraser University Chemistry Alumni Graduate Scholarship / 2016
US Department of Energy Spring Undergraduate Laboratory Internship / 2010

## PUBLICATIONS

### Refereed articles

M. P. Reiter et al., "Commissioning and Performance of TITAN's Multiple-Reflection Time-of-Flight Mass-Spectrometer and Isobar Separator," *Nuclear Instruments and Methods A* 1018 (2021): 165823.

E. Leistenschneider et al., "Diversifying Beam Species through Decay and Recapture Ion Trapping: a Demonstrative Experiment at TITAN-EBIT," *Journal of Physics G: Nuclear and Particle Physics* 47 (2020): 045113.

C. Babcock et al., "Mass measurements of neutron-rich indium isotopes toward the $N = 82$ shell closure," *Physical Review C* 97 (2018): 024312.

E. Leistenschneider et al., "Dawning of the $N = 32$ shell closure seen through precision mass measurements of neutron-rich titanium isotopes," *Physical Review Letters* 120 (2018): 062503.

D. Lascar et al., "Precision mass measurements of $^{125\text{-}127}$Cd isotopes and isomers approaching the $N = 82$ closed shell," *Physical Review C* 96 (2017): 044323.

A. T. Gallant et al., "Mass determination near $N = 20$ for Al and Na isotopes," *Physical Review C* 96 (2017): 024325.

S. Triambak et al., "The $2^+_1 \rightarrow 3^+_1$ γ width in $^{22}$Na and second class currents," *Physical Review C* 95 (2017): 035501.

Brian Kootte et al., "Using Electron Cooling to Help Weigh Exotic Nuclei – Progress on TITAN's Cooler PEnning Trap (CPET)," *Physics in Canada* 72 (2016): 117-119.

D. Lascar et al., "Improvements to TITAN's mass measurement and decay spectroscopy capabilities," *Nuclear Instruments and Methods B* 376 (2016): 292-297.

Christian Jesch et al., "The MR-TOF-MS isobar separator for the TITAN facility at TRIUMF," *Hyperfine Interactions* 235 (2015): 97-106.

Wolfgang R Plaβ et al., "High-performance multiple-reflection time-of-flight mass spectrometers for research with exotic nuclei and for analytical mass spectrometry," *Physica Scripta* 2015 (2015): 014069.

C. Wrede et al., "Preparation of $^{20}$Ne, $^{24}$Mg, $^{28}$Si, and $^{36}$Ar targets by ion implantation into thin carbon foils," *Nuclear Instruments and Methods B* 268 (2010): 3482-3484.

**Non-refereed publications**

Devin Short, "Hotline Suspense," *Contingent Magazine*, March 19, 2022, https://contingentmagazine.org/2022/03/19/hotline-suspense/

C. Hornung et al., "A Laser Ablation Carbon Cluster Ion Source and an RFQ-based Switchyard for the FRS Ion Catcher," *GSI Helmholtz Centre for Heavy Ion Research Annual Report 2014-1* (2014): 105.

D. A. Short et al., "M1 width of the $2^+_1$ state in $^{22}$Na and searches for tensor contributions to beta decays," *CENPA Annual Report 2010-2011* (2011): 55.

C. Wrede et al., "Development of thin ion-implanted targets for precision studies," *CENPA Annual Report 2010-2011* (2011): 49.

S. Triambak et al., "M1 width of the $2^+_1$ state in $^{22}$Na and searches for tensor contributions to beta decays," *CENPA Annual Report 2009-2010* (2010): 52.

**Book Reviews**

Devin Short, review of Chander, Parkash, *Game Theory and Climate Change*, H-Environment, H-Net Reviews (March 2022). https://www.h-net.org/reviews/showpdf.php?id=57199

Devin Short, review of *Restricted Data: The History of Nuclear Secrecy in the United States* by Alex Wellerstein, *British Journal for the History of Science* (2022). Submitted.

**Digital humanities projects**

Devin Short, "Bibliograph: A database system for research in the humanities," https://github.com/shortorian/bibliograph

## PRESENTATIONS

### Meetings

"Large Technical Systems: Historical and Sociological Perspectives," with Raquel Velho
Meeting Places: Conversations Within and Beyond Disciplines / Spring 2023
"Modeling Communities: Building Infrastructure for the History of Climate Science"
American Meteorological Society Annual Meeting / January 2023
"Technical Expertise and Doing History" (roundtable participant)
History of Science Society Annual Meeting (online) / November 2021
"Showing our work: the role of history in the philosophy of climate modeling"
Workshop on Integrated History and Philosophy of Climate Data / August 2021
"Leaving the Realm of Little Science" in panel *Weathering the West* (participant)
Western History Association Annual Meeting (online) / October 2020
"This Bounded World: Analogical Reasoning and Nineteenth-Century British Physics"
Columbia History of Science Group Annual Meeting / March 2018

### Guest lectures

"Where do we go from here? Global challenges in the histories of computing and climate science" / University of Washington (online) / March 2021
"Controlling the Atmosphere in the Cold War"
University of Washington / May 2019

### Posters

"M1 width of the $2^{+}_{1}$ state in $^{22}$Na and searches for tensor contributions to beta decays"
American Physical Society Division of Nuclear Physics Fall Meeting / October 2011

## TEACHING EXPERIENCE

### Advising

Project Shawarma, iSchool, University of Washington, Summer 2021 (online)
Led five-member team designing a database for source analysis in humanities research.
co-advisor: Greg Hay

### Teaching assistant

Department of History / University of Washington
History of the Digital Age (HSTAA 317) / Winter 2023
History of the Atomic Bomb (HSTCMP 215) / Fall 2022
History of Mexico (HSTLAC 282) / Spring 2021 (online)
History of the Digital Age (HSTAA 317) / Winter 2021 (online)
Race and American History (HSTAA 231) / Fall 2019
Race, Gender, and Class in Latin America and the Caribbean (HSTLAC 185) / Fall 2018
American Military History (HSTAA 212) / Spring 2018
Peoples of the United States (HSTAA 105) / Winter 2018
American Citizenship (HSTAA 110) / Fall 2017
Department of Chemistry / Simon Fraser University
Science and Society (SCI 300) / Spring 2015

**Grader**
Department of History / University of Washington
Science in Civilization: Science in Modern Society (HSTCMP 312) / Autumn 2021
American Military History (HSTAA 212) / Spring 2020 (online)
Nazi Germany and the Holocaust (HSTEU 234) / Winter 2020
US Political and Economic History, 1920 – Present (HSTAA 345) / Spring 2019
Nazi Germany and the Holocaust (HSTEU 234) / Winter 2019

## RESEARCH EXPERIENCE

Research Assistant / Freelance
Principal Investigator: Danah Boyd
Subject: Book project on the US census
September 2022
Research Assistant / University of Washington Department of History
Principal Investigator: Margaret O'Mara
Subject: history of technology
Summer 2020
Student Hourly / University of Washington, School of Oceanography
Principal Investigators: Kyle Armour, Gerard Roe
Subject: climate modeling
Summer 2019
Research Assistant / Simon Fraser University, Department of Chemistry
Worked at TRIUMF in Vancouver, Canada
Principal Investigators: Corina Andreoiu, Jens Dilling
Subject: atomic mass spectrometry
Summer 2014 – Fall 2015
Summer 2015 – Summer 2016
Intern / TRIUMF, TRIUMF's Ion Traps for Atomic and Nuclear Science
Worked at Justus-Liebig-Universität Gießen in Gießen, Germany
Principal Investigators: Jens Dilling, Wolfgang Plaß
Subject: atomic mass spectrometry
Summer 2013 – Summer 2014
Student Hourly / Center for Experimental Nuclear Physics and Astrophysics
University of Washington
Principal Investigator: Alejandro Garcia
Subject: gamma ray spectroscopy, accelerator physics
Spring 2008 – Winter 2010
Summer 2010 – Spring 2012
Intern / Lawrence Berkeley National Laboratory, Materials Science Division
Principal Investigator: Robert Kaindl
Subject: ultrafast laser spectroscopy
Spring 2010

## SERVICE

Session chair / 21st History Symposium of the American Meteorological Society / 2023
Jurist / DIY Methods Conference / 2022
Officer / UW History Department Graduate Liaison Committee / 2020–2022
Member / Graduate Climate Conference Organizing Committee / 2021

## SUMMER SCHOOL AND WORKSHOP ATTENDANCE

NASA Transform to Open Science OpenCore Workshop
American Meteorological Society Annual Meeting / January 2023
UW Program on Climate Change Summer Institute: Pathways to Net Zero Carbon Emissions
UW Friday Harbor Labs / September 2022
NASA/CCS/KISS Summer School on Using Satellite Observations to Advance Climate Models
NASA Jet Propulsion Laboratory (online) / August 2021
HAPP Network Summer School on Scientific Instruments and Environmental Physics
St. Cross Centre for History and Philosophy of Physics / August 2018