

## Devin Short

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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  $^{125-127}\text{Cd}$  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  $2^+_1 \rightarrow 3^+_1$   $\gamma$  width in  $^{22}\text{Na}$  and second class currents,” *Physical Review C* 95 (2017): 035501.
- 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. Plaß 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  $^{20}\text{Ne}$ ,  $^{24}\text{Mg}$ ,  $^{28}\text{Si}$ , and  $^{36}\text{Ar}$  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  $^{22}\text{Na}$  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  $^{22}\text{Na}$  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  $^{22}\text{Na}$  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 to facilitate source analysis in humanities research.  
co-advisor: Greg Hay

### Teaching assistant

- Department of History / University of Washington  
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**

Jurist / DIY Methods Conference / 2022

Officer / University of Washington History Department Graduate Liaison Committee  
2020–2022

Member / Graduate Climate Conference Organizing Committee / 2021

## **SUMMER SCHOOL AND WORKSHOP ATTENDANCE**

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