

# Britton Jeter | Curriculum Vitae

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## Education

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### University of Waterloo

*Ph.D. Physics*

**Waterloo, ON**

*Sept. 2014–Sept. 2020*

- Thesis: Messier 87: A Laboratory for Exploring AGN Variability using the Event Horizon Telescope.
- Supervisor: Avery Broderick

### University of Illinois at Urbana-Champaign

*B.S. Physics with Minor in Mathematics, High Distinction*

**Urbana, IL**

*Sept. 2010–May. 2014*

## Employment

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### University of Waterloo

*Department of Physics and Astronomy, Postdoctoral Fellow*

**Waterloo, ON**

*Oct. 2020–Present*

## Awards & Honours

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Ph.D. Awards.....

### Breakthrough Prize in Fundamental Physics

*Fundamental Physics Prize Foundation*

*2019*

### International Doctoral Student Award

*University of Waterloo*

*2014–2020*

Value: \$ 6,000 per year

### Marie Curie Award

*University of Waterloo*

*2014–2020*

Value: \$ 6,000 per year

### Science Doctoral Award

*University of Waterloo*

*2014–2020*

Value: \$ 3,000 per year

## Teaching Experience

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### Graduate Teaching Assistant

*University of Waterloo*

- PHYS 375 Stars Winter 2019
- SCI 237 Exploring The Universe (Survey Course) Fall 2018
- PHYS 275 Planets Fall 2017
- PHYS 122 Waves, Electricity, and Magnetism Winter 2017
- SCI 238 Introductory Astronomy Winter 2016, Winter 2018
- ECE 105 Mechanics for Engineers Fall 2015, Fall 2016
- PHYS 175 Introduction to the Universe Winter 2015
- PHYS 111L Mechanics Lab Fall 2014

## Presentations

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### Semi-Analytic Outflowing Hotspots

*Event Horizon Telescope Collaboration Meeting 2019, (Invited)* 2019

### Accretion Flow Dynamics and Gas Dynamical SMBH Mass Estimates

*Event Horizon Telescope Collaboration Meeting 2018, (Invited)* 2018

### Distinguishing Jet Launching Mechanisms in M87 with Dynamical EHT Observations

*Event Horizon Telescope Collaboration Meeting 2016, (Invited)* 2016

## Programming Languages

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*Bash, Python, Mat-Lab, C++*

## Selected Publications

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### Refereed Journal Articles.....

- [1] Britton Jeter, Avery E. Broderick, and Roman Gold. “Differentiating disc and black hole-driven jets with EHT images of variability in M87”. *MNRAS* 493.4 (Apr. 2020), pp. 5606–5616.
- [2] Britton Jeter, Avery E. Broderick, and B. R. McNamara. “Impact of Accretion Flow Dynamics on Gas-dynamical Black Hole Mass Estimates”. *ApJ* 882.2, 82 (Sept. 2019), p. 82.

### Ph.D. Thesis.....

- [1] Britton Jeter. *Messier 87: A Laboratory for Exploring AGN Variability using the Event Horizon Telescope*. 2020.