

# Gillen Brown

gillenb@umich.edu

## University of Michigan

Ph.D. in Astronomy  
Advisor: Oleg Y. Gnedin  
Topic: Chemical Evolution of Simulated Milky Way Sized Galaxies

**Ann Arbor, MI**  
September 2016-present

## University of Missouri-Kansas City (UMKC)

B.S. Physics with emphasis in Astronomy  
Math and Computer Science minors

**Kansas City, MO**  
May 2016

## Publications

---

- **Brown, G.**, Gnedin, O. Y., “Nuclear Star Clusters in Cosmological Simulations”, 2018, ApJ, 864, 94
- Gonzalez, A., Gettings, D., Brodwin, M., et al. including **Brown, G.**, “The Massive and Distant Clusters of WISE Survey. I: Survey Overview and a Catalog of  $>2000$  Galaxy Clusters at  $z \simeq 1$ ”, 2019, ApJS, 240, 33

## Academic Presentations

---

- Santa Cruz Galaxy Workshop, August 2019, poster: “Star Cluster Formation in Cosmological Simulations”
- University of Michigan Graduate Student Lunch Talks, December 2019, talk: “Galactic Chemical Evolution in Cosmological Simulations”
- University of Michigan Graduate Student Lunch Talks, April and September 2017, talk: “Nuclear Star Clusters in Cosmological Simulations”

## Teaching

---

### Graduate Student GSI Mentor

Consultant and teaching mentor to other graduate student instructors in the department

**Fall 2019**

### Sole Instructor for Astro 127: Naked Eye Astronomy

Taught the course and developed all materials, including lectures, homework, and exams

**Spring 2019**

### Graduate Student Instructor

Led discussion sections and graded work for introductory astronomy classes for non-science majors

**2017, 2019**

## Outreach

---

### **University of Michigan Museum of Natural History Science Communication Fellow** 2019

Several professional development workshops on effectively engaging the public  
Created a hands-on demo and shared it at several Museum events

### **Public Talks**

University of Michigan Museum of Natural History, 3 times in 2019, "Building the Universe"  
Ann Arbor Hands-On Museum, July 2019, "How the Moon Formed"  
Ellis Library & Reference Center, July 2019, "The Scientific Legacy of the Moon Landings"  
Nerd Nite Ann Arbor, March 2019, "Origin of the Elements"  
Ignite Ann Arbor, November 2018, "Reclaiming the Night Sky"

### **Astronomy on Tap - Ann Arbor** Fall 2019 — present

Member of leadership team, coordinated speakers and themes for monthly events

## Activities

---

### **UM Astronomy Galaxy Group Organizer** 2019 — present

Coordinated and organized speakers for biweekly Galaxy Group meetings

### **UM Astronomy Curriculum Committee — Graduate Student Representative** 2018 — present

Helped manage the undergraduate and graduate astronomy curriculum

### **Graduate Student Colloquium Lunch Organizer** 2018 — present

Organized and ordered food for the weekly graduate student lunches with the colloquium speaker

### **Michigan Dark Skies Group Member** 2017 — present

Met with an Ann Arbor City Council committee to encourage action to reduce light pollution  
Met with real estate developers and architects to encourage dark sky friendly lighting