

*Curriculum Vitæ (September 12, 2016)*

## EDUCATION

## POSITIONS HELD

Telescope Operator / UGSI 2015-  
Astronomy C10 — instr. Alex Filippenko & Leo Blitz

Hired to operate the rooftop, 17" Treffers telescope owned by the Astronomy Department. Held weekly or multi-weekly viewing sessions for students of the introductory astronomy classes as well as for donor events and public outreach events.

### **Undergraduate Researcher**

2014-

UNIVERSITY OF CALIFORNIA, BERKELEY — *adv. Dr. Mariska Kriek*

Worked in the Astronomy Department as an undergraduate researcher under Dr. Mariska Kriek. Research involved creating composite spectral energy distributions (SED) of galaxies and running MCMC fits using flexible stellar population synthesis models.

### **URCA Research Intern [NSF REU]**

2014

NORTH CAROLINA STATE UNIVERSITY — *adv. Dr. John Blondin*

Participated NCSU URCA (Undergraduate Research in Computational Astrophysics) program. Worked with Dr. John Blondin on creating and running a three-dimensional hydrodynamics simulation of the SNR Cassiopeia A, run on the TACC Stampede supercomputer.

## **REFEREED PUBLICATIONS**

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1. Shivaiei, I.; Kriek, M.; Reddy, N. A.; Shapley, A. E.; Barro, G.; Conroy, C.; Coil, A. L.; Freeman, W. R.; Mobasher, B.; Siana, B.; Sanders, R.; Price, S. H.; Azadi, M.; [Pasha, I.](#); Inami, H., “[The MOSDEF Survey: The Strong Agreement between  \$H\alpha\$  and UV-to-FIR Star Formation Rates for  \$z \sim 2\$  Star-forming Galaxies](#)”, *The Astrophysical Journal Letters* **820**, (2016).

## **NON-REFEREED PUBLICATIONS**

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1. M.L. Graham, G. Halevi, [I. Pasha](#), I. Shivvers, H. Yuk, A.V. Filippenko (UC Berkeley), “[Classification of PSN J09254453+3416361 as a Type II Supernova](#)”, *Astronomers Telegram ATel* **8169**, (2016).
2. [Imad Pasha](#) & Christopher Agostino, “[Python for Astronomers: An Introduction to Scientific Computing](#)”, **Publicly Available**, (2016).

## **NON-ACADEMIC POSITIONS AND OUTREACH**

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### **Founding Signatory and Organizing Committee Member**

2015-

UNDERGRADUATE ASTRONOMY SOCIETY

Co-founded the Undergraduate Astronomy Society at Berkeley (UAS), an organization dedicated to increasing community among the undergraduate majors, provide department and external resources, facilitate collaboration and social interaction between students, graduate students, postdocs, and faculty, and serve as an interface to bring student interests and concerns to the department in a collective way. Worked closely on various aspects of the organization, from organizing social events to organizing talks from industry or academic visitors.

### **Founding Signatory and Board Member**

2014-2015

SPACE EXPLORATION SOCIETY AT BERKELEY

Helped create the Space Exploration Society at Berkeley (SESB), serving as a signatory and executive board member as well as historian. Coordinated with the other board members to establish the scope and direction of the organization.

### **Organizing Member**

2015-

#### **UC BERKELEY ASTRONOMY NIGHTS**

Helped organize and run public astronomy nights in the department, consisting of an hour long talk by a professor, followed by a public stargazing event on the roof of the department. Involved with running the telescope, collaborating with speakers, as well as organization and logistics.

## **CONFERENCES AND TALKS**

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- 2017 - **Gravitationally Lensed AGN in the CLASH Sample [Poster]**, Annual AAS Conference (abstract submitted).
- 2016 - **Gravitationally Lensed AGN in the CLASH Sample [Talk]**, Harvard-CfA Research Symposium
- 2016 - **Fitting Composite Galaxy SEDs with MCMC and Stellar Population Synthesis Models [Talk]**, UC Berkeley Astronomy Department Research Symposium
- 2015 - **Jet Morphology in Cassiopeia A [Poster]**, Biennial Fifty-one Ergs Supernova Conference
- 2014 - **Jet Morphology in Cassiopeia A [Poster]**, Annual UNC Undergraduate Research Symposium
- 2014 - **Jet Morphology in Cassiopeia A [Poster]**, Annual NC State Undergraduate Research Symposium

## **AWARDS**

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- 2015 - Third Place Poster Prize, Biennial Fifty-one Ergs Supernova Conference
- 2014 - First Place Poster Prize, Annual UNC Undergraduate Research Symposium