

Curriculum Vitæ (September 1, 2016)

EDUCATION

Diploma	2009-2013
<i>Rancho Bernardo High School</i>	
GPA: 4.34	

POSITIONS HELD

Undergraduate GSI (T.A.) 2016-2017
Astronomy 120 — instr. Gaspard Duchene
 Served as the UGSI (undergraduate graduate student instructor) for the upper division infrared and optical laboratory in the Astronomy department. Responsibilities included developing and presenting various lectures [Python, L^AT_EX, telescope operation], aiding in the determination of course content, class organization and logistics, and holding office hours.

Course Instructor 2015-
Astronomy 98/198 — Introductory Python for Astronomers
 Wrote/developed and co-instructed the Astronomy Department’s introductory python course with Chris Agostino. The course is designed to introduce majors to the astronomical applications of python, from spectral analysis to imaging and data I/O. Also covers the basics of UNIX systems, L^AT_EX, and HTML. My textbook and exercises can be found under ”non-refereed publications.”

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

1. Shivaee, 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

2. 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).
1. [Imad Pasha](#) & Christopher Agostino, “[Python for Astronomers: An Introduction to Scientific Computing](#)”, **Publicly Available**, (2016).

NON-ACADEMIC POSITIONS AND OUTREACH

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.

AWARDS

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