

Kurt Hamblin

3220 Birchtree Lane Silver Spring MD, 20906 | 240-899-0116 | hamblin2@umbc.edu

Education

University of Maryland Baltimore County (UMBC)

Expected: May 2019

Bachelor of Science: Physics

Minor: Astronomy

Major GPA: 3.86

Current GPA: 3.869

Honors: Meyerhoff Scholar M27, President's List, Dean's List

Technical Skills

Operating Systems: Window, Mac OS, Linux

Research Programs: TopCat, AGN fitter (python)

Programming: Python, C++

Experience

Undergraduate Summer Research Experience

Summer 2018

(University of Hawaii Institute for Astronomy, Dr. David Sanders)

- *Made Spectral Energy Distributions for the most luminous sources in Stripe 82X survey*
- *Found that sources well split into high luminosity bin which exhibit broad-line QSO characteristics and low luminosity sources which exhibit characteristics of Seyferts and star-forming galaxies*

Undergraduate Summer Research Experience

Summer 2017; sustained

(Yale SURF, Dr. Megan Urry, Dr. Allison Kirkpatrick)

- Located most heavily obscured sources in Stripe 82X survey
- Made Spectral Energy Distributions and developed fits using "AGN Fitter" (Bayesian Monte Carlo fitting code)
- Investigated obscuration and dustiness of galaxies as a phase of galactic evolution

Introductory Physics TA

Fall 2017 – Spring 2018

- Led discussion sections and helped students understand core concepts in an introductory mechanics course

Lab Set-Up Assistant with Erik Crowe

Spring 2016 – Spring 2018

- Set up labs for Physics 111, Physics 112, and Physics 122
- Worked with Erik Crowe in organizing the physics demonstration room

Presentations

Poster Presentation: 233rd American Astronomical Society (AAS) Conference

January 2019

- *Will be presenting research from Summer 2018 at the University of Hawaii Institute for Astronomy*

Oral and Poster Presentation: University of Hawaii Institute for Astronomy

Summer 2018

- *Presented Summer Research at the University of Hawaii Institute for Astronomy*

Leadership and Extracurricular Activities

UMBC Archery Club President and Founder

Fall 2016

UMBC Astronomy Club

Fall 2015 – Present

UMBC Collegiate Road Cycling Team

Fall 2015 – Present

UMBC Cycling Club President

Fall 2017- Present