

Lindsey Gordon

76 Park Avenue, Wethersfield CT 06109
lgordon6@wellesley.edu • (860) 436-1827 • lcgordon.github.io

EDUCATION

Wellesley College, Wellesley, Massachusetts, USA

- B.A. in Astrophysics Sep 2017 –
 - Thesis: Machine Learning Identification of Supernovae in TESS Data and Spectral Follow-Up
 - Thesis Advisors: Dr. Richard French and Dr. Tansu Daylan
 - Cum. GPA: 3.58

RESEARCH EXPERIENCE

Kavli Institute, Massachusetts Institute of Technology

Feb 2020 –

- Project: Characterization of Time Variability in TESS Images
- Supervisors: Dr. Tansu Daylan and Dr. George Ricker
- Focus: Producing a machine learning pipeline to classify TESS light curves.

Astronomy Department, Wellesley College

- TESS Follow-Up Observing Program Feb 2020 –
 - Project: TESS Ground-Based Observations
 - Supervisor: Dr. Kim McLeod
 - Focus: Taking and reducing data from a 0.7m PlaneWave telescope to confirm exoplanet transits.
- Fiber Optic Fed Spectrometer Jan 2019 –
 - Supervisor: Dr. Kim McLeod
 - Focus: Designing and building a fiber optic fed spectrometer for the observatory's new telescope.

SULI Intern, Lawrence Berkeley National Laboratory

Aug 2019 – Dec 2019

- Project: A Compact Multi-Beam Linear Accelerator
- Supervisors: Dr. Arun Persaud and Dr. Qing Ji
- Focus: Part testing and Python simulations for a prototype compact ion accelerator.

KNAC REU, Middlebury College

Jun 2019 – Aug 2019

- Project: Searching for Dual Quasars in Archival Hubble Data
- Supervisor: Dr. Eilat Glikman
- Focus: Used Python to find double quasar systems in the Hubble archive.

SMALLER PROJECTS

AstroTech Summer School, UC Berkeley

Cancelled Due to COVID-19

- Summer workshop on astronomy instrumentation.

N-Body Simulation of Galaxy Mergers, Wellesley College

Spring 2020

- Simple Python simulation of galaxy mergers. Available on GitHub

MIT Astronomy Field Camp, Lowell Observatory

January 2019

- Project: Python Analysis of K2 Stellar Flares
- Advisor: Dr. Joe Llama
- Month long research project analyzing usefulness of various Python packages for flare detection.

WORK EXPERIENCE

Astronomy Department, Wellesley College

Dec 2018 –

- Night Assistant – Lab assistant for the night portion of the introductory astronomy lab. I operate the historic telescopes for guided observing, give constellation quizzes, and otherwise assist with the labs.

Library and Technology Services, Wellesley College

Sep 2017 –

- Book Conservation Assistant – Work-study job in the conservation department repairing circulating library collections.

AWARDS & SCHOLARSHIPS

2020 Albright Institute for Global Affairs Fellow, Wellesley College

2020

- Interdisciplinary fellowship on global affairs. One month of programming on global leadership and funding for a summer internship abroad [internship postponed due to COVID-19].

CAMPUS ACTIVITIES

A.S.T.R.O. Club

Sep 2017 –

▪ President	2020 – 2021
▪ Treasurer	2018 – 2019
Society of Physics Students	Sep 2017 –
Wellesley College Shakespeare Society	Feb 2018 –
▪ Secretary	Spring 2019
▪ House Manager	Fall 2018

LANGUAGES

- English: Native language.
- French: Intermediate (reading, writing); basic (speaking).
- Python (3+ years), Java (1+ years), HTML/CSS (1+ years), MATLAB (6 months)

SKILLS

- Fabrication: 3D modeling (SolidWorks) and printing, basic electronics, soldering, laser cutting, machine shop tool use
- Astronomy-Specific: Telescope driving, AIJ, ds9, image reduction
- Machine Learning: TensorFlow, Keras, SKLearn
- Other: Microsoft Office, L^AT_EX

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