Lindsey Gordon

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EDUCATION

WELLESLEY COLLEGE | BA IN ASTROPHYSICS
Junior. Expected Graduation May 2021 | Wellesley, MA
Cum. GPA: 3.58 / 4.0 · 2020 Albright Institute Fellow

RESEARCH EXPERIENCE

TESS FOLLOW-UP OBSERVATIONS | NOVEMBER 2018, JANUARY 2020 - PRESENT | WELLESLEY COLLEGE
Performing follow-up ground-based observations on TESS targets. Reducing data and producing light curves of potential exoplanet transits.

FIBER-OPTIC-FED SPECTROMETER | SPRING 2019, JANUARY 2020 - PRESENT | WELLESLEY COLLEGE
Team project to build a spectrometer. I designed the internal optics, including purchasing elements and 3D printing custom pieces. Currently working to complete, install, and test the instrument.

A COMPACT MULTI-BEAM PARTICLE ACCELERATOR | FALL 2019 | BERKELEY LAB
Working on prototype of new compact accelerator design. Tested components, performed beam tests and alignments, and updated accelerator simulations.

THE SEARCH FOR DUAL QUASARS | SUMMER 2019 | MIDDLEBURY COLLEGE
Wrote a Python program to mine the Hubble archive for candidate dual quasar systems.

STELLAR FLARES IN K2 DATA | JANUARY 2019 | LOWELL OBSERVATORY
Used Python to detect and analyze stellar flares. Tested existing packages for their cross disciplinary uses.

WORK/VOLUNTEER EXPERIENCE

WHITIN OBSERVATORY | NIGHT ASSISTANT | DECEMBER 2018 – PRESENT
TA for the introductory astronomy classes. Larger organizational role in public nights.

MITTELMAN OBSERVATORY | VOLUNTEER | SUMMER 2019
Assisted in running astronomy outreach events in French and English. Operated telescopes and gave sky tours.

WHITIN OBSERVATORY | VOLUNTEER | SEPTEMBER 2017-DECEMBER 2018
Assisted outreach events. Gave observatory tours, operated telescopes, gave presentations, and led observing.

LANGUAGES

PROGRAMMING
Strong (5,000+ lines):
Python
Familiar (500+ lines):
MATLAB • HTML/CSS • Java • C++
CAD:
SolidWorks

SPOKEN & WRITTEN
Native fluency:
English
Reading fluency:
French

OTHER SKILLS

FABRICATION
3D modeling + printing
Laser cutting
Soldering

ASTRONOMY
CCD imaging + telescope driving
Data processing software
AstroImageJ • ds9 • TOPCAT
Optical Alignment