

Lindsey Gordon

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📍 Minneapolis, MN

🔗 <http://lsgordon.github.io>

Formal Education

University of Minnesota Twin Cities

Graduate Student in Astrophysics

📅 September 2021 – Present

📍 Minneapolis MN

GPA: 3.74. Advisor: Tom Jones. 2022-2023 DSMMA Fellow.

Wellesley College

B.A. Astrophysics, minor in Computer Science

📅 September 2017 – June 2021

📍 Wellesley, MA

GPA: 3.73. Sigma Xi, Cum Laude, Honors in the Major

Select Research Projects

WisdomWombat & WiserWombat - ML in MHD

Dr. Tom Jones (UMN) & Dr. Pete Mendygral (HPE)

📅 June 2021 –

📍 UMN

Developing WisdomWombat, a next gen HPC optimized MHD code (C, Python, Fortran). The directed graph workflow allows for *in-situ* analysis by WiserWombat, a “babysitter” ML classifier built in PyTorch.

Device Parallelized Offloading in FLAG

Dr. Raffi Yessayan

📅 June 2023 - August 2023

📍 Los Alamos National Lab

Feasibility analysis of GPU offloading using CUDA and OpenMP.

Analysis of Early Time TESS Supernovae Data

Dr. Tansu Daylan (MIT), Dr. Richard French (Wellesley)

📅 August 2020 –

📍 MIT, Wellesley College

Bayesian model fitting package development (etsfit) for recovered SN data. Paper in prep.

Unsupervised Stellar Variability Classification in TESS

Dr. Tansu Daylan, Dr. George Ricker

📅 January 2020 – August 2020

📍 MIT

TESS Follow-Up Observing Program at Whittin Observatory

Dr. Kim McLeod

📅 January 2020 – June 2021

📍 Wellesley College

A Compact Multi-Beam Linear Accelerator Prototype

Dr. Arun Persaud

📅 August 2019 – December 2019

📍 LBNL (SULI Program)

Areas of Interest

- Computational Astrophysics
- High Performance Computing
- Science Communication + Outreach

Skills & Languages

Python	● ● ● ● ● ●
C	● ● ● ● ● ●
SQL	● ● ● ● ● ●
Development Tools	● ● ● ● ● ●
Docker, Git, JIRA	● ● ● ● ● ●
Java	● ● ● ● ● ●
HTML/CSS/Javascript	● ● ● ● ● ●
Flask, Ajax, Jinja2	● ● ● ● ● ●
FORTRAN	● ● ● ● ● ●

English	● ● ● ● ● ●
French	● ● ● ● ● ●

Office Skills	● ● ● ● ● ●
Microsoft Office, GSuite, \LaTeX , Canva	

Publications

- [1] J. Rodriguez *et al.* “TESS Delivers Five New Hot Giant Planets...” Accepted to ApJ Jan. 2021. <https://arxiv.org/abs/2101.01726>
- [2] L. Gordon *et al.* “etsfit: Bayesian Power Law Modeling of TESS Supernovae” In prep.

Smaller Projects

Welp: A Yelp Reconstruction

Web interface to database using SQL, Flask, Ajax & Jinja2.

📅 Oct. 2020

📍 Wellesley College

Hubble Contours Package

Quicklook contour plots from HST data

📅 Aug. 2020

🔗 github

Wellesley Resources App

Design+UX testing

📅 July 2020

🔗 WResources2020