


Britney Whittington

 bwhitt7 |  britneywhittington@gmail.com |  britney-whittington |  bwhitt7.github.io/

An aspiring computer programmer with a life-long passion for art and astronomy.


Education

**B.S. Computer Science, Software Engineering Track, Astronomy Minor**
Towson University

08/2020 - 05/2024
Towson, MD


- 3.95 GPA. Magna cum laude. Dean's List every semester. Honor's College & Hill-Lopes Scholar Program
- Courses: Software Engineering | Operating Systems | Introduction to Astrophysics | Astrophysical Techniques

Work Experience

**Space Astronomy Summer Program Intern**
Space Telescope Science Institute


06/2024 - 08/2024
Baltimore, MD

- Worked with Mark Giuliano to analyze the long-term stability of long range plans of JWST by creating visual and textual reports.
- Used Common Lisp to analyze data and python to generate graphs.

**Undergraduate Learning Assistant**
Towson University


08/2023 - 12/2023
Towson, MD

- Assisted Dr. Miquel Angel Requena Torres with his Astrophysical Techniques class containing 8 students
- Answered student questions regarding Linux, Jupyter Notebook, and Python. Assisted with telescope operations and training.

**Telescope Operator**
Towson University

08/2021 - 05/2024
Towson, MD

- Worked with Dr. Jennifer Scott and Dr. Dylan Hilligoss on TU's 16" telescope.
- Made the telescope compatible with automated software (Maestra, Cartes du Ciel) and created a pipeline to make the telescope easier to use for students by using a WordPress website and guides.

**Undergraduate Learning Assistant**
Towson University

08/2023 - 12/2023
Towson, MD

- Assisted Dr. Jennifer Scott with her Intro to Astrophysics class containing 25 students
- Answered student questions regarding assignments and class.
- Assisted with labs and activity set up and clean up.

Projects

Solar Eclipse Project
Dynamic Eclipse Broadcast

10/2023 - 04/2024
USA

- Worked with faculty and grad students at Towson University to take pictures of the April 8th 2024 total solar eclipse.

Summer Research Project
Towson University

Summer 2023
Towson, MD

- Worked with Dr. Neda Saeedloei to create C++ code that optimizes lists of behaviors that describe real-time systems.

Events & Clubs

TU Astronomical Society President
Towson University

2021 - 2024
Towson, MD

- Hosted weekly meetings where we discussed astronomy with our 30+ members. Assisted with astronomy events throughout campus.

Astro Scholars
Space Telescope Science Institute

Summer 2022
Baltimore, MD

- An astrophysics program led by Dr. Susan Kassin at Space Telescope Science Institute and Johns Hopkins University. Learned various astrophysical skills and worked with Dr. Svea Hernandez on a coding research project on analyzing the chemical composition of M83.

Awards

2020 - Present	Honors College , Towson University
2021 - Present	Hill-Lopes Scholar , Towson University
2022 - 2023	Maryland Space Grant , Maryland Space Grant Consortium (MDSGC)
2023 - Present	Sigma Pi Sigma Membership , Towson University

Skills

Tech & Code	Java Python C++ Common Lisp Jupyter Notebook Web design - HTML, CSS, Javascript Database - MySQL, Excel OS - Linux, Windows
Astronomy	Telescope optics Image/Data reduction & Analysis Observations Scheduling & Planning
Soft skills	Fast learner Problem solving Communication Presentations
Interests	Art Graphic design Game design