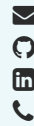


M. Elijah Wngeman

Computer Scientist



m.elijah.wn@gmail.com
<https://github.com/mindcat>
<https://www.linkedin.com/in/mew13>
+1 (520) 396-9508

ABSTRACT

Curious, adaptive, and excels at communication. Excited for an opportunity to gain experience and learn at the forefront of scientific discovery and to meet new mentors, peers, and people.

EXPERIENCE

AUG – DEC 2022 (FULL TIME)

TEOCO

Full Stack Software Engineer

Worked 45 hours a week as a junior developer helping to bring an Angular SPA product to release. Used Conductor to produce bulk data analysis for the back end. Followed an Agile approach to bringing a Kendo UI based corporate data management application to consumer readiness.

JAN – MAY 2022 (PART TIME)

Rochester Institute of Technology

Software Engineering Course Assistant

Grading, supporting, and mentoring students learning Python in CS-123. Answering questions and giving feedback in and out of class, and holding weekly sessions to help with problem solving.

SEP 2019 – FEB 2020 (RESEARCH)

Galactic Variables and Their Correlations to Hosted Super-massive Black Hole (SMBH) Masses

Computational Astrophysics Research

Using Python and .csv files to identify trends in the (efficiently) observable variabilities in spiral galaxies and build a model to predict the mass of SMBH's based upon resource-light and accessible variables (as opposed to stellar velocity dispersion or simulation), and illustrate the potential for automating this task.

JUNE 2017, 2019 (RESEARCH)

UofA Astronomy Department

Data Analysis & Observation

Processed and reduced data in multiple wavelengths. Dozens of observation hours on the 61" Kuiper visible, 60" 2MASS infrared, 12m ARO radio, and 9m Sub-Millimeter radio telescopes and more, in addition to 100's of further hours analyzing data in several forms.

SKILLS

Communication

Very proficient reader (800 wpm) with experience presenting on stage. Can communicate concepts and explain ideas across disciplines.

Collaboration

Comfortable in teams, working with and around people. Especially enjoy learning and teaching through cooperative problem-solving.

Leadership

Service mindset- in addition to earning Eagle Rank, was accepted into and attended the USMA Summer Leadership Experience at Westpoint and the USNA Summer Seminar at Annapolis.

OBJECTIVE

Intern as a computer scientist with an emphasis in astronomical scientific modeling, available June – August/December 2023

EDUCATION

2020 – 2025

BSc Computer Science

Astronomy & Philosophy Minors
Rochester Institute of Technology

2016 – 2020

Tucson High Magnet School

SCIENCE MAGNET STUDENT

HONORS

2020 –

RIT Presidential Merit Scholarship & Dean's List

Rochester Institute of Technology

OCT 2020

Eagle Rank

Earned bronze palm and performed hundreds of hours of community service.
Scouts BSA, Catalina Council, Troop 115

MAY 2020

AP Scholar with Honor

Excelled on 11 AP Exams and scored 99th percentile on SAT (1510) and ACT (35).
Collegeboard

MAR 2020

Astronomy Achievement Award, Original and Creative Problem Solving in Mathematics, Excellence in Earth and Space Science, et al.

Computational Astrophysics Research
Southern Arizona Research, Science, and Engineering Foundation

FEB 2020

Junior Science and Humanities Symposium at ASU

Invited to present astrophysics research at youth research conference

EXPERTISE

LANGUAGES

Java, Python, Bash, Haskell, C, HTML5, CSS, SQL, Rust, Type & JavaScript

TOOLS & SYSTEMS

OS X, Vim, Linux, Git, LaTeX, Windows, Adobe Suite, Blender

GENERAL

Academic & Technical Writing, SMT Soldering & PCB Design