

M. Elijah Wngeman

Software Engineer



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 further my industry experience in software engineering, and to work in a team where I can learn and collaborate as much as possible.

EXPERIENCE

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.

AUG – DEC 2022 (FULL 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.

JAN – MAY 2022 (PART TIME)

Software Engineering 261

Full Stack Online Store

Worked as part of a team to build the front and back end of an e-store. A Java front end used the REST API to interface with a Java middle end following the Model-View-Controller pattern, which sent requests to a MySQL database hosted on a Raspberry Pi. This infrastructure allowed unprecedented flexibility, reliability, and testability. Worked under SCR-UM with Maven, Angular, and team planning experience. Utilized Git version control, branches, and detailed documentation (JavaDoc) to practice modern software industry methodology.

JAN – MAY 2022 (SCHOOL PROJECT)

SEP 2019 – FEB 2020 (RESEARCH)

Galactic Variables and Their Correlations to Hosted Supermassive 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.

SKILLS

Collaboration

Most comfortable in teams, working with and around people. Effective at communicating concepts across disciplines.

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. Comfortable presenting on stage.

OBJECTIVE

Internship as a full stack software engineer, 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

Public Speaking & Presentation, Scholarly Writing (800 wpm), Academic & Technical Writing, SMT Soldering & PCB Design