

# Eric Min Myat

109 East University Avenue | Bloomington, IL 61701 | (857) 693-1159 | [sminmyat@iwu.edu](mailto:sminmyat@iwu.edu)

## Education

**Illinois Wesleyan University**, Bloomington, IL  
*Bachelor of Science in Physics*

GPA: 3.48/4.0  
Expected: **May 2026**

## Relevant Coursework

Modern Physics (Relativity, Quantum, Nuclear) | Classical Mechanics, Electricity and Magnetism | Discrete Mathematics | Data Structures and Algorithms | Computer Architecture

## Technical Skills

**Programming Languages:** Python, C/C++, Java, JavaScript, OCaml, MIPS Assembly, MySQL, PHP  
**Software:** Mathematica, LabVIEW, Igor Pro, Git, Microsoft Office Suite, SPSS Statistics, openCARP

## Academic Research/Projects

**Pediatric Student Research Program (PSRP)** Washington University School of Medicine, St. Louis

June 2024 - July 2024

- Assist a PhD candidate by conducting research at the Silva Lab, using openCARP software to create 3D models of Purkinje fibers within the heart to simulate and visualize the behavior of these fibers, contributing to the understanding of cardiac electrophysiology.
- Analyze data using Python, Excel, and SPSS Statistics for three projects, co-authoring one of them.
- Shadowing Experience: NICU, Surgery, Hospitalist

**Characterization of Phase Transition Behavior in VO<sub>2</sub> Thin Films** | Illinois Wesleyan University

Spring 2024

- Utilized spectroscopic techniques and data analysis methods to study phase transition properties.

**Responsive Portfolio Website** | Illinois Wesleyan University

Fall 2023

- Developed a visually appealing and responsive website showcasing projects using HTML, CSS, Bootstrap, and JavaScript

**Full-Stack Web Application** | Illinois Wesleyan University

Fall 2023

- Built a web app with user registration, book uploads, and admin features using HTML, CSS, JavaScript, PHP, and MySQL

## Internship

**Peace Garden Management Internship** | Illinois Wesleyan University

May 2023 - Sept 2023

- Managed community garden operations, including cultivation, market organization, and produce distribution to local nonprofits; enhanced skills in sustainability and community development

## Employment Experience

**Resident Assistant** | Illinois Wesleyan University

August 2023 - Present

- Mentor and advisor for 24 students, fostering an inclusive environment, promoting communication, organizing community programs, referring to resources, and enforcing campus policies.

**IT Help Desk Student Worker** | Illinois Wesleyan University

August 2022 - December 2023

- Provided technical support, resolved hardware/software issues, and managed the ticketing system for timely issue resolution.

## Leadership & Involvement

- IWU Biking Club, *Vice President*
- Association for Computing Machinery (ACM), *Treasurer*
- Society of Physics Students (SPS), *Member*
- Institute of Electrical and Electronics Engineers (IEEE), *Member*
- International Society of Optics and Photonics (SPIE), *Member*

## Honors & Awards

- Courageous Leader Scholarship, *Recipient*
- Cargo Fellowship Peace Garden, *Recipient*
- Generation Google Scholarship (North America), *Recipient*