Si Thu Min Myat

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Education

Illinois Wesleyan University, Bloomington, IL   GPA: 3.6/4.0
Bachelor of Science in Physics   Expected: **May 2026**

Relevant Coursework

Modern Physics | Classical Mechanics, Electricity and Magnetism | Discrete Mathematics | Data Structures and Algorithms | Computer Architecture | Optical Physics | Theoretical Mechanics | Statics and Mechanics of Materials

Technical Skills

Programming Languages: Python, C++, Java, JavaScript, SQL, PHP, IDL, HTML, CSS
Software: Mathematica, LabVIEW, Igor Pro, Git, Microsoft Office Suite, 3D CAD

Academic Research/Projects

Summer Research Student | Washington University School of Medicine, St. Louis   June 2024 - July 2024
- Analyzed pediatric survey data using SPSS and Python to compute coping factor ratios. Simulated cardiac activity by manually drawing Purkinje fibers using openCARP software.

Characterization of Phase Transition Behavior in VO2 Thin Films | Illinois Wesleyan University   Ongoing
- Studying how VO2 thin films change phases using spectroscopy and computer simulations with the Meep python library.

Web Development Projects | Illinois Wesleyan University   Ongoing
- Created a responsive portfolio website using HTML, CSS, Bootstrap, and JavaScript. Developed a full-stack web app with user registration, book uploads, and admin features using PHP and MySQL.

Brian CPU | Illinois Wesleyan University   Spring 2024
- Designed and implemented a custom CPU with self-developed MIPS assembly, featuring interactive programs like an LED control demo, Fibonacci sequence calculator, and a two-player Battleship game.

AI-Driven Character Network & Chatbot Development | Illinois Wesleyan University   Ongoing
- Building a Python-based AI chatbot using Scrapy for data collection, with NLP and transformer models to analyze character traits and enable dynamic, theme-driven conversations.

Internship/Employment Experience

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.

Resident Assistant | Illinois Wesleyan University   August 2023 – December 2024
- 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.

AI Trainer | Outlier AI   October 2024 - Present
- Trained AI models by rating and ranking responses for quality, providing context for content expansion, and contributing to multi-modal tasks for text, image, and audio generation and classification.

Direct Support Professional | Lifelong Access   January 2025 - Present
- Provided direct support to individuals with IDD, assisting with daily activities and personal care to promote independence and well-being.

Leadership & Involvement

- IWU AI Club, *President*
- IWU Optica, *Founding Member*
- Association for Computing Machinery (ACM), *Treasurer*
- International Student Organization (ISO), *PR Chair*

Honors & Awards

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