

# Saw Wera Kyaw Kyaw

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## EDUCATION

### Bucknell University, Lewisburg, PA

Graduated: May 2025

Bachelor of Arts in Computer Science

*Relevant Coursework:* Software Engineering | Data Structure and Algorithm | Algorithm Design & Analysis | Operating Systems Design | Programming Language | Computing Networks and Security

### United World College of South East Asia (Dover), Singapore

08/2019 - 05/2021

International Baccalaureate Diploma Programme

## TECHNICAL SKILLS

**Programming Languages** - Elixir, Java, Javascript/Typescript, PowerShell, Python, C#, C Programming, PHP, R, HTML/CSS

**Frameworks & Libraries** - Phoenix LiveView, NodeJS, MVC, Spring Framework, Azure DevOps CI/CD, Github Actions, React

**Tools & Platforms** - UNIX/Linux, PostgreSQL, SQL, Vercel, Fly.io, Git, Bash, REST, GraphQL APIs, Unity, Unreal Engine, Blender

## EXPERIENCE

### Software Engineer Intern

07/2025 - 12/2025

Micro Systems Engineering, Inc. (MSEI)/ Biotronik, Inc

(Remote) Lake Oswego, OR

- Accelerated **FDA submission compliance** by delivering a custom **Azure DevOps build task** that automatically generates **Software Bill of Materials (SBOM)** for the Neuro Modulation device team, enabling seamless SBOM attachment to regulatory filings for every product release.
- Pioneered AI-driven quality assurance capabilities by developing a **proof-of-concept testing framework** using **MCP servers** to validate field-released software, establishing a foundation for automated intelligent testing workflows.
- Enhanced **code review efficiency** by implementing an **Azure DevOps CI/CD pipeline** that leverages AI to automatically analyze **pull request changes** and provide actionable insights, reducing manual review time.

### Augmented Reality (AR) Research Assistant (RA)

08/2024 - 05/2025

Bucknell University

Lewisburg, PA

- Developed a research prototype to enable amputees to control AR limbs using muscle signals.
- Researched **sEMG wristband designs**, analyzed arm muscle composition, and optimized sensor placement.
- Collected data using **MyoWave sensors** through conductive fabric electrodes.
- Developed a functional prototype, improving signal accuracy and usability over traditional wristbands.

### Software Engineering Consultant

05/2024 - 08/2024

Pennsylvania Small Business Development Center (SBDC)

Lewisburg, PA

- Create a **virtual education platform** for a Japanese historic site using **Unity Game Engine**.
- Led **Unity-based development**, overseeing platform environment implementation and technical design.
- Delivered the **prototype and business case** within a six-week summer program.

## PROJECTS

### SBOM generator for Azure DevOps pipeline [Project Link](#)

Open Source Project

- Developed open-source **Azure Pipelines task** using Task SDK enabling teams to automate SBOM generation for .NET projects using CycloneDX.
- Integrated Interlynk **GraphQL API** to provide seamless SBOM upload capabilities.
- Published **reusable pipeline task** eliminating manual SBOM workflows, allowing organizations to adopt software transparency standards efficiently.

### Wildlife Asset Protection – AI Image Recognition

08/2024 - 05/2025

Senior Design Project

- Built an **AI tool** that detects electrical components to help utility workers easily understand what asset they need.
- Trained a **YOLOv11 model** on 2,000 images, refining the dataset and optimizing detection accuracy.
- Developed a **web interface** that allows users to upload images and view detected electrical components.

## Extracurriculars

**International Student Orientation Leader** – Led orientation for **100+** incoming international students, organizing events and mentoring newcomers. Provided mentorship to ensure a smooth transition to university life

08/2023 - 09/2024

**President, Burmese Cultural Organization** – Led cultural initiatives to promote Burmese heritage, organizing events and workshops. Managed budgeting and outreach to engage students and foster cultural exchange.

08/2021 - 01/2024