

Perry Thompson

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Permanent Address
Cambridge, WI 53523

EDUCATION

MARQUETTE UNIVERSITY, Milwaukee, WI

Anticipated Graduation: May 2028

Bachelor of Science in Biomedical Engineering

GPA: 3.930/4.000

Major: Bioelectrical Engineering

Recipient, Père Marquette Scholarship, Marquette Magis Campus Resident Scholarship

SAINT LOUIS UNIVERSITY, Madrid, Spain

Fall 2026

Study Abroad (Accepted)

SKILLS:

- MATLAB, C, Python, Excel, Circuit Analysis, MultiSim, Arduino (embedded system prototyping), Project Management, Team Collaboration, and Public Speaking

RELEVANT COURSE PROJECTS

BIOMEDICAL ENGINEERING METHODS 1, Milwaukee, WI

Knee Phantom Design Challenge Project

September 2024 – December 2024

- Identified specifications and design requirements for a knee phantom used for calibrating an x-ray to measure joint-space width in patients with osteoarthritis (tolerance of 0-1 cm)
- Designed and constructed a prototype of said knee phantom with a constraining budget (<\$30)
- Produced a detailed bill of materials and managed cost-analysis
- Validated x-ray images using image processing software and techniques, as well as Excel

PROJECTS

Proximity Alert System

- Programmed Arduino to interface with ultrasonic sensor for real-time object detection
- Implemented conditional logic to trigger LEDs and buzzer based on threshold distances
- Debugged timing inconsistencies and optimized loop efficiency

EXPERIENCE

SELF-OPERATED DJ SERVICE, Madison, WI

2022 – Present

DJ/Manager

- Organized and managed events for 50–300 guests, developing strong public speaking and communication skills through announcements and crowd engagement
- Negotiated contracts and coordinated with clients to adapt services to their event needs
- Handled advertising, scheduling, and finances independently
- Invested profits to expand inventory of audio and lighting equipment, and budgeted accordingly

LAKE RIPLEY COUNTRY CLUB, Cambridge, WI

2021 – Present

Bartender/Waiter

- Delivered exceptional service to members in a fast-paced environment
- Promoted to bartender after consistently earning trust from management and members
- Stocked and managed inventory of bar items and beverages

ACTIVITIES & INTERESTS

Merchandise Chair, SIGMA PHI DELTA Professional Engineering Fraternity February 2024 – Present

Team Member, MARQUETTE BIOMEDICAL ENGINEERING SOCIETY January 2025 – Present

- Electronic device design team member for “Muscle Music” project

Interests include working on Arduino projects, playing the piano and guitar, and producing music.