

## Ethan Pizarro

224-518-5866 | Email: ethanpizarro42@gmail.com | www.linkedin.com/in/ethanpizarro | github.com/ethanpizarro

### Education

**University of Illinois at Urbana-Champaign**

May 2025

*Bachelor of Science in Computer Engineering*

### **Related Coursework:**

Artificial Intelligence

Operating Systems Design

Algorithms & Models of Computation

### Skills

**Programming Languages:** C/C++, HTML, CSS, JavaScript

**Frameworks:** Arduino IDE, Bluetooth, Express, Git, Google Suite, KiCad, Microsoft Forms, MongoDB, Node.js, React

**Soft Skills:** Communication, Event Coordination, Leadership, Public Speaking

### Project Highlights

**MERN Stack Money Tracker (HTML, CSS, JavaScript)**

June 2025

- Developed a money tracking web app that organizes income and expenses into one sum for consolidation
- Customized a mobile-friendly React frontend to dynamically display new entries when submitted
- Designed a Express backend to store transaction history with price, name, date, time, and description in the cloud
- Connected the frontend and MongoDB backend using JavaScript API calls, enabling data access on multiple devices

**Athletic Tracking Sensor (C/C++, KiCad)**

Jan. 2025 - May 2025

- Developed motion-tracking sensor delivering velocity and angle feedback to iPhone for training
- Designed power and control subsystems with Micro USB, ESD protection, and autoreset to enable stable power delivery, 2-hour battery life, 5-hour charge time, and seamless microcontroller programming via UART
- Programmed ESP32-S3-WROOM-1 to collect 9-axis sensor data and send feedback to iPhone via Bluetooth

### Work Experience

**Shedd Aquarium**

Chicago, IL

*Guest Relations Ambassador*

Jun. 2021 - Jan. 2025

- Created interactive Microsoft Forms tool with managers to guide daily decisions for 50+ staff members
- Organized entrance lines for 10,000+ guests daily, reducing wait times and boosting satisfaction
- Enforced aquarium rules to ensure safety and promote compassion, curiosity, and conservation of aquatic life

### Extracurricular Activities

**PSA Harana**

Urbana-Champaign, IL

*Red Horse Manager*

Jan. 2024 - May 2025

- Organized 10-member band and setlist in 3 weeks, leading a house show for 100+ attendees
- Managed band inventory and finances to ensure smooth performance and fair compensation for members
- Led rehearsals with repetition and feedback to improve practice efficiency and overall proficiency

**ACM SIGPwny**

Urbana-Champaign, IL

*Member*

Aug. 2022 - May 2024

- Ranked top 11% in 2023–2024 cybersecurity exercises, demonstrating advanced skill in security challenges
- Finished top 40% in Fall CTF 2023 by collaborating effectively under pressure to solve challenges

**Chi Psi Fraternity**

Urbana-Champaign, IL

*Sergeant-at-Arms*

Jan. 2023 - Dec. 2023

- Coordinated roles, rehearsals, and alumni invites to smoothly execute initiation ceremonies for 40+ participants
- Tracked and organized supplies to maintain inventory accuracy and streamline preparation for initiation events
- Led monthly meetings by setting up materials and enforcing bylaws to improve structure and productivity