

# Joy Avre

[avreusiwo@gmail.com](mailto:avreusiwo@gmail.com) | [avrejoy.github.io](https://avrejoy.github.io) | [linkedin.com/in/joy-avre/](https://linkedin.com/in/joy-avre/) | [github.com/avrejoy](https://github.com/avrejoy)

## EDUCATION

**University of Illinois at Chicago (UIC)**

Expected Graduation: **May 2026**

Bachelor of Science, Computer Science | Honors: **Dean's List**

**Relevant Coursework:** Systems Programming | Operating Systems | Software Design | Data Structures and Algorithms | CodePath Web Development

**Professional Affiliations:** GHC Scholarship Recipient | National Society of Black Engineers | Society of Women Engineers

## SKILLS

**Programming Languages:** C++, Python, SQL, Java, C, F#, JavaScript

**Frameworks / Technologies:** React.js, Node.js, Express.js, Git, REST APIs, Tailwind CSS, Agile

## RELEVANT EXPERIENCE

**Break Through Tech Chicago** | *Software Engineer Sprintern*

**May 2025**

- Incoming Summer '25

**Project Syncere** | *Engineering Program Facilitator*

**May 2024 - Present**

- Co-instructed a classroom of 20-30 students from 6th-8th grade, teaching foundational coding and engineering principles, enhancing their STEM engagement by **20%**.
- Developed and implemented a project-based learning curriculum, facilitating hands-on STEM projects demonstrating core engineering and programming concepts.

**UIC CHANCE Program** | *Student Ambassador*

**Sep 2023 - Present**

- Provided peer mentoring and academic support, improving student retention.
- Organized and led outreach initiatives, increasing program participation.

## PROJECTS

**EcoMarket** | React.js, CSS, JavaScript

**Feb 2025**

- Developed a sustainable business platform enabling companies to exchange unused materials and reduce waste through a material posting system and business verification network.
- Designed and integrated a business profile system featuring verification badges, star ratings across multiple categories (communication, reliability, material quality), and detailed transaction history.
- Implemented an interactive dashboard with real-time metrics tracking business impact, including waste reduction, cost savings, and total materials shared.

**Lucky Spin Slot Machine** | C++

**Nov 2024 - Dec 2024**

- Developed a 3x3 slot machine game where players place bets on up to 3 lines and win if matching symbols align.
- Implemented random symbol generation and input validation for depositing money, selecting lines, and placing bets.
- Ensured player balance tracking and error handling to prevent over-betting, providing a seamless and secure gaming experience.

**Sentiment-Based Stock Trading Bot** | Python, Tweepy, VADER, yFinance

**Aug 2024 - Oct 2024**

- Engineered a Python-based trading bot that leverages Twitter's API through Tweepy to collect real-time financial discussions.
- Utilized VADER sentiment analysis to process tweet content and generate sentiment scores for trading signals.

## LEADERSHIP & EXTRACURRICULARS

**CodePath** | *Technical Interview Course Scholar*

**Feb 2025 - May 2025**

- Selected for a 10-week course in tackling technical interviews and data structures.

**Chicago Food Depository** | *Volunteer*

**Dec 2023 - Present**

- Organized and packed food donations.
- Assisted with food distribution to families in need.

**Peer Tutor, Computer Science**

**Sep 2023 - Present**

- Provided academic support to fellow students in computer science courses, assisting with problem-solving and coding challenges.
- Helped peers understand key concepts in data structures, algorithms, and programming languages.