

MAYA C. ELLIS

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EDUCATION

The University of Chicago

Bachelor of Science in Computer Science

Chicago, IL

Expected June 2027

Relevant Coursework: Algorithms, Machine Learning, Distributed Systems, Database Systems, Discrete Mathematics

GPA: 3.79/4.00

EXPERIENCE

BeaconOne Logistics

Software Engineering Intern

Chicago, IL

June 2026 – August 2026

- Built a data pipeline in Python and Airflow to ingest and clean 500,000+ daily transaction records from three client APIs, cutting manual reconciliation time by 70%
- Developed a REST API with FastAPI and PostgreSQL to serve real-time inventory analytics to an internal dashboard used by 25+ account managers

Data Science Institute, University of Chicago

Undergraduate Research Assistant

Chicago, IL

September 2025 – Present

- Collaborate with a graduate student to fine-tune an open-source language model for classifying 10,000+ city permit records by project type, improving classification accuracy by 22% over a keyword baseline
- Automated the training data labeling workflow using Python and Label Studio, cutting manual annotation time from 3 weeks to 4 days

Eastlight Software

Full Stack Engineering Intern

Remote

June 2024 – August 2024

- Implemented 4 new features for a React and Node.js scheduling application used by 1,200+ small business customers, including a recurring-appointments module
- Refactored a legacy authentication flow to use JWT-based sessions, reducing average login latency by 35%

TECHNICAL PROJECTS

Course Scheduler Optimizer

Independent Project - [link](#)

Chicago, IL

January 2026 – Present

- Built a constraint-satisfaction scheduling tool in Python that generates conflict-free course schedules for 300+ possible class combinations in under 2 seconds
- Designed a Flask web interface and deployed it on Render so classmates could generate personalized schedules from their degree requirements

Campus Dining Wait-Time Predictor

Team Project - [link](#)

Chicago, IL

September 2025 – December 2025

- Trained a gradient-boosted regression model on 6 months of dining hall data to predict wait times within 3 minutes of actual, and built a live dashboard for dining services staff

LEADERSHIP & ACTIVITIES

Women in Computer Science, UChicago

Vice President

Chicago, IL

September 2025 – Present

- Lead a team of 6 officers to plan 8+ technical workshops per year for 150+ members and coordinate outreach for an annual resume review night with 10+ recruiters

UChicago Hackathon Club

Event Organizer

Chicago, IL

September 2024 – June 2026

- Co-organized a 24-hour campus hackathon drawing 200+ student participants, managing logistics, sponsor relationships, and judging

SKILLS

Programming: Python, Java, JavaScript, SQL, C++

Frameworks & Tools: React, Node.js, FastAPI, Flask, Git, Docker, AWS, pandas, scikit-learn

Languages: Spanish – Conversational