

ETHAN R. CALDWELL

Cambridge, MA ♦ (617) 555-0142 ♦ ethan.caldwell@college.edu ♦ github.com/ecaldwell

Computer science senior focused on distributed systems and applied machine learning; seeking a software engineering role starting summer 2027.

EDUCATION

Carlisle University
A.B. in Computer Science, Secondary in Statistics
GPA: 3.91/4.00; Dean's List (all semesters)
Relevant Coursework: Distributed Systems, Machine Learning, Algorithms, Operating Systems, Probability
Thesis: Low-latency consensus for edge clusters (advisor: Prof. L. Moreno)

Cambridge, MA
May 2027

RESEARCH

Senior Thesis
Carlisle Systems Lab

- Designing a geo-aware leader election protocol; prototype evaluated on 120 simulated nodes.

Cambridge, MA
Sep 2026 – May 2027

EXPERIENCE

Software Engineering Intern
Northwind Analytics

- Built a streaming ingestion service in Go handling 40,000 events per second; cut end-to-end lag by 62%.
- Designed load tests and dashboards adopted by two partner teams.
- Presented design review to 30 engineers; merged 18 pull requests into production.

New York, NY
Jun 2026 – Aug 2026

Undergraduate Research Assistant
Carlisle Systems Lab

- Implemented a Raft variant in Rust; reduced leader-election time by 35% in 50-node simulations.
- Co-authoring a workshop paper on edge consensus (under review).

Cambridge, MA
Sep 2025 – Present

Data Science Intern
Bluepeak Labs

- Trained gradient-boosted churn models on 2M records; improved recall by 11 points over baseline.

Boston, MA
Jun 2025 – Aug 2025

LEADERSHIP & ACTIVITIES

Workshop Lead
Carlisle Women & Allies in Computing

- Teach weekly Python workshops to 60 first-year students; designed a 10-week curriculum.

Cambridge, MA
Sep 2024 – Present

Athlete
Varsity Rowing

- Trained 20 hours per week while maintaining Dean's List standing.

Cambridge, MA
Sep 2023 – May 2025

SKILLS & INTERESTS

Technical: Go, Rust, Python, C++, SQL, Kubernetes, PyTorch, AWS
Languages: English (native), Spanish (proficient)
Interests: Long-distance running, chess openings, restoring film cameras