



Titus Murphy


Curriculum Vitae

Boston, USA

 titusmurphy.com

 [in titus-murphy](https://in.titus-murphy)

 [shininglegend](https://github.com/shininglegend)

 [W2p8jsAAAAAJ](https://scholar.google.com/citations?user=W2p8jsAAAAAJ)

Updated May 2026

Education

May 2026 **Bachelors of Science in Computer Science**, *Summa Cum Laude*, Sattler College, Boston, USA
Minor in History

Research Interests

Human-Computer Interaction How can we design technology for the more vulnerable or less technical groups in society? Particularly, how can we create interfaces that encourage healthy use of technology?

Digital Ethics History teaches us that Humanity has always paid the price of new technology coming on the scene. How do we reduce the cost of new technologies, such as AI, to our mental health, physical health, and relationships?

AI and Society How is AI used by individuals? What about by society? How can we make human-centric technology, especially Artificial Intelligence, that fosters a better society together?

Research Experience

Summer 2025 **EXERCISE REU participant**, *Salisbury University*, Salisbury, MD
The EXERCISE REU is an NSF-funded research experience for undergraduates in emerging parallel and compute-intensive applications. Our group initiated a new project focused on improving an emerging domain-incremental machine learning model that used an episodic clustering-based memory to maintain accuracy on old tasks while training on new tasks, decreasing forgetting by over 75% in some cases.

Publications

- [1] Owen Beabout, Abigail Dodd, Titus Murphy, and Enyue Lu. Mitigating catastrophic forgetting using improved clustering-based episodic memory. In *2025 IEEE International Conference on Data Mining Workshops (ICDMW)*, pages 2852–2859, 2025.

Teaching Experience

2025–Present **Tutor and Teaching Assistant, Computer Science Program**, *Sattler College*, Boston, MA
Created, revised, and graded weekly assignments. Provided 6+ hours of individual tutoring per week. Developed and delivered a guest lecture.
Course TA for: Introduction to Computer Science, Discrete Math, Program Design

2024-2025 **Tutor, Computer Science Program**, *Sattler College*, Boston, MA
Provided tutoring and support for freshmen and sophomores taking the Introduction to Computer Science course. Held bi-weekly office hours.

Professional Experience

2025-2026 **Student Mentor (Resident Advisor)**, *Sattler College*, Boston, MA
Provided counseling support and enforced rules at the college dormitories.

2023-Present **Director of IT**, *Inner Excellence*, Remote
Responsible for Information Technology technical support for Inner Excellence, a small, global coaching business.

2024-2025 **Backend Software Engineer**, *ADAMNetworks*, Remote
ADAMNetworks provides a SASE Zero-Trust networking solution with DNS-Harmony adaptive whitelisting. I primarily worked on refactoring older APIs.

2022-2024 **IT Helpdesk and A/V Technician**, *Sattler College*, Boston, MA
○ Provided hybrid technical support to staff and students; managed daily live A/V streams.

Technical Projects

STRATA Generalizable online domain-incremental machine learning models developed as part of a team at Salisbury University. Written in Python, uses Pytorch.
○ Code: <https://github.com/shininglegend/strata>

Glossias Website for interacting with stories targeted at second language acquisition students, currently in use by 12 beta testers at Sattler College. Written in Golang and React .
○ Website: <https://glossias.org>
○ Code: <https://github.com/shininglegend/glossias>

Awards and Honors

- Summa Cum Laude, B.S. Computer Science - Sattler College
- President's List (7 semesters - Sattler College, 2023-2026)
- Dean's List (1 semester - Sattler College, 2022)

Volunteer Experiences

2026-Present Editor for Science and Technology & Digital Publisher for the Sattler Scroll, a student journal initiative. <https://sattlerscroll.com>

2025-Present Volunteering at St. Francis House (homeless shelter) in the kitchen and clothing departments weekly.

2024-2025 Vice President of Student Organizations on the Student Council. *Elected position by the student body.*

2023-2024 President of the CODERS club at Sattler. *Elected position by the club members.*

Professional Affiliations

2025-Present Institute of Electrical and Electronics Engineers (IEEE)

Hobbies and Interests

Interests Education, Leadership, Creative Writing (poetry, fiction), History

Hobbies Bouldering, Running, Acting