

Eleftheria Beres

✉ eberes@cs.washington.edu | [🌐 @elliberes](https://www.linkedin.com/company/elliberes) | [🐙 @elliferia](https://www.github.com/elliferia) | [🌐 elliberes.me](https://www.elliberes.me)

RESEARCH INTERESTS

Software engineering research for scientific programming; reproducibility, replicability, and reuse in computational science; computing education for disciplinary scientists

EDUCATION

University of Washington <i>PhD in Computer Science & Engineering (in progress)</i>	Seattle, Washington Sep 2024 – Present
Northwestern University <i>BS in Computer Science; Summa Cum Laude; GPA: 3.99/4.00</i>	Evanston, Illinois Sep 2021 – Jun 2024

RESEARCH EXPERIENCE

Programming Languages and Software Engineering (PLSE) Group and Learning, Computing, Imagination (LCI) Lab <i>Research Assistant</i> <i>Advisors: Mike Ernst, Amy Ko, Ben Shapiro</i>	Paul G. Allen School of Computer Science & Engineering Seattle, Washington Sep 2024 – Present
<ul style="list-style-type: none">Studying software engineering practices among disciplinary scientists specifically in the context of reproducibility, replicability, reuse, and correctness in computational science.	

Xenobot Lab <i>Undergraduate Researcher</i> <i>Advisor: Sam Kriegman</i>	Northwestern University Center for Robotics and Biosystems Evanston, Illinois Sep 2023 – Jun 2024
<ul style="list-style-type: none">Designed platform for simulating rigid-body virtual robots with the ability to physically grow as they interact with their simulated environment.	

Leonard Lab <i>Undergraduate Researcher</i> <i>Advisor: Joshua Leonard</i>	Northwestern University Center for Synthetic Biology Evanston, Illinois Dec 2021 – Jun 2024
<ul style="list-style-type: none">Designed and implemented Python package for easy-to-use, rapid, batch flow cytometry data analysis for synthetic biologists.	

POSTERS

2023 Beres E, et al. PyFlowBAT: An Open-Source Software Package for Performing High-Throughput Batch Analysis of Flow Cytometry Data. Poster presented at: EBRC Annual Meeting; 2023 Jun 5-6; Evanston, IL.

TEACHING EXPERIENCE

Peer Mentor: COMP_SCI 349 Machine Learning <i>Northwestern University Department of Computer Science</i>	Evanston, Illinois Summer 2024
Peer Mentor: COMP_SCI 349 Machine Learning <i>Northwestern University Department of Computer Science</i>	Evanston, Illinois Spring 2024
Peer Mentor: COMP_SCI 397 Artificial Life <i>Northwestern University Department of Computer Science</i>	Evanston, Illinois Winter 2024
Peer Mentor: GEN_ENG 205-1 Engineering Analysis 1 <i>Northwestern University Department of Electrical and Computer Engineering</i>	Evanston, Illinois Fall 2023
Peer Mentor: BMD_ENG 220 Introduction to Biostatistics <i>Northwestern University Department of Biomedical Engineering</i>	Evanston, Illinois Fall 2023
Peer Mentor: DATA_ENG 200 Foundations of Data Engineering <i>Northwestern University Department of Computer Science</i>	Evanston, Illinois Winter 2023
Peer Mentor: BMD_ENG 220 Introduction to Biostatistics <i>Northwestern University Department of Biomedical Engineering</i>	Evanston, Illinois Fall 2022

AWARDS & HONORS

ARCS Scholar <i>ARCS Seattle Chapter</i>	Seattle, Washington 2024 – 2027
Jeff Dean - Heidi Hopper Endowed Regental Fellowship <i>Paul G. Allen School of Computer Science & Engineering</i>	Seattle, Washington 2024 – 2025
Outstanding Computer Science Senior <i>Northwestern University Department of Computer Science</i>	Evanston, Illinois Jun 2024
Summer Undergraduate Research Fellowship <i>Northwestern University Department of Computer Science</i>	Evanston, Illinois Summer 2023
Summer Undergraduate Research Grant <i>Northwestern University Office of Undergraduate Researcher</i>	Evanston, Illinois Summer 2023
Summer Undergraduate Research Grant <i>Northwestern University Office of Undergraduate Researcher</i>	Evanston, Illinois Summer 2022

SERVICE

Pre-Application Mentor Service (PAMS): PAMS Mentor <i>Paul G. Allen School of Computer Science & Engineering</i>	Seattle, Washington Sep 2024 – Present
PLSE Group: PLSE Visit Days Support Co-Chair <i>Paul G. Allen School of Computer Science & Engineering</i>	Seattle, Washington Sep 2024 – Present
NU Biomedical Engineering Society: Secretary <i>Northwestern University</i>	Evanston, Illinois 2022 – 2023
NU Biomedical Engineering Society: Public Relations Chair <i>Northwestern University</i>	Evanston, Illinois 2021 – 2022