

# Eleftheria Beres

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## RESEARCH INTERESTS

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

## EDUCATION

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

## RESEARCH EXPERIENCE

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<b>PLSE Group &amp; LCI Lab</b> <i>Research Assistant</i> <i>Advisors: Mike Ernst, Amy Ko, Ben Shapiro</i> <ul style="list-style-type: none"><li>Studying software engineering practices among disciplinary scientists specifically in the context of reproducibility, replicability, reuse, and correctness in computational science.</li></ul>	<b>Paul G. Allen School of Computer Science &amp; Engineering</b> <i>Seattle, Washington</i> <i>Sep 2024 – Present</i>
<b>Xenobot Lab</b> <i>Undergraduate Researcher</i> <i>Advisor: Sam Kriegman</i> <ul style="list-style-type: none"><li>Designed platform for simulating rigid-body virtual robots with the ability to grow as they behave in and interact with their environment.</li></ul>	<b>Northwestern University Center for Robotics and Biosystems</b> <i>Evanston, Illinois</i> <i>Sep 2023 – Jun 2024</i>
<b>Leonard Lab</b> <i>Undergraduate Researcher</i> <i>Advisor: Joshua Leonard</i> <ul style="list-style-type: none"><li>Conceptualized and developed Python package for easy-to-use, rapid, batch flow cytometry data analysis for synthetic biologists.</li></ul>	<b>Northwestern University Center for Synthetic Biology</b> <i>Evanston, Illinois</i> <i>Dec 2021 – Jun 2024</i>

## TEACHING EXPERIENCE

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

## AWARDS & HONORS

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

## SERVICE

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