

Livia Cutra

cutra.l@northeastern.edu • 508.615.1730 • Boston, MA • Availability: July-December

<https://www.linkedin.com/in/liviacutra> • <https://github.com/livia-cutra>

EDUCATION

Northeastern University, Boston, MA	Expected Graduation: Spring 2027
Candidate for a Bachelor of Science in Computer Science and Design	GPA: 3.7/4.0
<p>Relevant Coursework: Object-Oriented Design, Algorithms and Data Structures, Human-Computer Interaction, Prototyping with Code, Information Visualization, Logic and Computation, Cornell ML Foundations, Linear Algebra</p>	
<p>Associations: Cornell AI Fellow HackBeaniot Core Team Rewriting The Code CodePath AIForImpact</p>	

EXPERIENCE & LEADERSHIP

United Kronos Group (UKG)	September 2025 - December 2025
<p>Software Engineer Intern</p>	
<ul style="list-style-type: none">Developed a Code Analysis Reporting Tool (CART) replacing Bitbucket workflows with GitHub and SonarQube, improving coverage tracking for 2 enterprise repositories and reducing manual compliance checks by 40%.Implemented MongoDB for historical coverage data, reducing retrieval time from hours to under 10 seconds.Enhanced CART UI and backend logic to filter GitHub pull requests by author and date, increasing reporting accuracy by 30% and supporting Agile teams in meeting Definition of Done (DoD) and SOC2 requirements.	
Forge Product Lab	September 2025 - Present
<p>Software Engineer & Website Developer</p>	
<ul style="list-style-type: none">Implemented Forge's homepage using React, Tailwind CSS, and Vite, delivering a responsive, accessible UI for 1,200+ monthly users while improving page-load speed by 25% and ensuring cross-browser compatibility.Built the frontend for Codescape, a developer tool that visualizes codebases as an interactive 3D city, implementing dynamic scene rendering, camera controls, and real-time updates from structured JSON data.	
Women in the Enterprise of Science and Technology	May 2025 - Present
<p>President of the Northeastern Chapter</p>	
<ul style="list-style-type: none">Scaled the organization from 5 to 45+ active members in one semester by launching peer mentorship programs and organizing 3 professional conferences focused on women in all disciplines of STEM.Led budgeting and career-readiness initiatives, coordinating networking events for 50+ participants and delivering interview prep and leadership workshops while managing funding and organizational operations.	
Khoury College of Computer Sciences	August 2024 - Present
<p>Teaching Assistant for Graduate Algorithms & Data Structures</p>	
<ul style="list-style-type: none">Led interactive office hours and grading for 200+ students, simplifying recursion, graph traversal, and Big-O through live coding, visual aids, and collaborative problem-solving to build strong algorithmic intuition.Delivered 30+ one-on-one tutoring sessions focused on trees, hash maps, and sorting algorithms, using real-world examples and practice to boost student confidence and performance across varied learning styles.	

PROJECTS

Allstate Auto Claims Severity	September 2025 - December 2025
<p>BreakThroughTech AI Fellow Python, Pandas, Scikit-learn</p>	
<ul style="list-style-type: none">Engineered features and trained regression models on 188k records, cutting mean absolute error by 22% and significantly improving Allstate's claim-severity predictions and resource-allocation efficiency.Built and compared multiple ML pipelines (linear & tree-based) after cleaning and modeling data, achieving normalized RMSE 0.35 and delivering actionable insights for risk-management and decision-making teams.	
<p>LivsLoops</p>	
My Small Business Website React, Node.js	July 2025 - September 2025
<ul style="list-style-type: none">Developed and deployed a full-stack e-commerce site for my handmade crochet products, driving 45 new customer conversions and boosting media engagement by 150% in the first quarter.Reduced load time by 40% and increased purchases by 30%, improving overall user experience and retention.	

SKILLS

Languages/ Frameworks: Python, Java, Node.js, TypeScript, JavaScript, HTML/CSS, React, Swift, C#

Tools: Git, MongoDB, Vite, Jupyter, Jenkins, Jira, SonarQube, VSCode, IntelliJ, Eclipse, Figma, Unity, Excel