

# Daria Dobrolinski

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## EDUCATION

<b>Bachelor of Science, Computer Science</b> , University of Massachusetts Boston	01/2024 — 05/2027
<ul style="list-style-type: none"><li>Relevant Coursework: Calculus 1 &amp; 2, Fundamentals of Physics 1 &amp; 2, Introduction to Electrical and Computer Engineering, Introduction to Computer Science, Discrete Mathematics</li></ul>	
<b>Bachelor of Science, Pharmaceutical Sciences</b> , University of Rhode Island	09/2023 — 12/2023
<ul style="list-style-type: none"><li>Relevant Coursework: Biology, Chemistry, Calculus 1, Communications</li></ul>	
<b>Certificates:</b> <a href="#">Python 3</a> - <a href="#">HTML</a> - <a href="#">Intro to GenAI</a> - <a href="#">MongoDB</a>	

## WORK EXPERIENCE

<b>Research Assistant</b> University of Massachusetts Boston	02/2025 <i>Boston, MA</i>
<ul style="list-style-type: none"><li>Refactor and optimize existing MATLAB codebase to enhance readability and efficiency, streamlining the 3D brain reconstruction pipeline that addresses the partial volume problem and improves simulation accuracy in tCS applications.</li><li>Utilize MATLAB and mesh processing tools to generate precise surface and volume models, improving geometric detail in MRI-based reconstructions.</li><li>Implement advanced algorithms for systematically adjusting sulci and gyri widths, reducing data loss and increasing accuracy in biomedical simulations.</li></ul>	

## PROJECTS

<b>Owner</b> , Elara AI ( <a href="#">Website</a> – <a href="#">Github</a> )	06/2025
<ul style="list-style-type: none"><li>Collaborated to develop a natural remedy chatbot that takes a user’s medical concern, uses FastAPI with Vertex AI (Gemini) for symptom extraction and classification, and queries MongoDB Atlas to recommend top-rated medicinal plants.</li><li>Vertex AI (Gemini) also generates a recipe with the recommended plant and the recipe can be downloaded as a PDF.</li></ul>	
<b>Owner</b> , ASL Recognition with TTS ( <a href="#">Github</a> )	04/2025
<ul style="list-style-type: none"><li>Built a real-time ASL recognition system using Python, MediaPipe, a Random Forest classifier, and OpenCV featuring custom dataset collection and text-to-speech integration for accessible ASL-to-audio translation.</li></ul>	
<b>Owner</b> , Photo Sharing Web App ( <a href="#">Website</a> – <a href="#">Github</a> )	03/2025
<ul style="list-style-type: none"><li>Collaborated to develop and design a photo sharing web app for favorite selection using HTML and CSS for frontend and Python for backend.</li><li>Consequently, users can download the selected favorites within the web socket session.</li></ul>	
<b>Owner</b> , Anorexia Awareness Website ( <a href="#">Website</a> – <a href="#">Github</a> )	01/2025 — 03/2025
<ul style="list-style-type: none"><li>Designed and developed a responsive and visually engaging informative website using HTML, CSS, and JavaScript.</li><li>Implemented an interactive navigation bar, dynamic text effects, charts, and flip-card flashcards to enhance user experience and readability.</li></ul>	

## MORE ON WEBSITE

## SKILLS

<b>Languages</b>	English (Native), Polish (Native), Spanish (Advanced)
<b>Programming Languages</b>	Python, CSS, HTML, Javascript, MATLAB
<b>Technologies</b>	Microsoft Office, Arduino IDE, MongoDB

## AWARDS

<ul style="list-style-type: none"><li><b>Seal of Bi-literacy</b> — Spanish &amp; Polish</li></ul>	05/2023
<ul style="list-style-type: none"><li><b>Dean’s List</b> — Fall 2024, Spring 2025</li></ul>	