

# Daria Dobrolinski

+1 (339) 205-8119 | Braintree, Massachusetts, US | [dsdobrolinski@gmail.com](mailto:dsdobrolinski@gmail.com)  
[github.com/dariadobrolinski](https://github.com/dariadobrolinski) | [linkedin.com/in/daria-dobrolinski](https://linkedin.com/in/daria-dobrolinski) | [dariadobrolinski.me](https://dariadobrolinski.me)

## 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.</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.</li></ul>	
<b>Certificates:</b> (23 hours) Python 3 Course — <a href="#">View Certificate</a>	

## WORK EXPERIENCE

<b>Research Assistant</b> University of Massachusetts Boston	02/2025 <i>Boston, MA</i>
<ul style="list-style-type: none"><li>Develop 3D brain reconstruction methods using spherical harmonics to address the partial volume problem and enhance simulation accuracy in tCS applications.</li><li>Utilize MATLAB and mesh processing tools to create precise surface and volume models for improved geometric detail in MRI-based reconstructions.</li><li>Implement advanced algorithms to adjust sulci and gyri widths, aiming to reduce data loss and support more accurate biomedical research.</li></ul>	

## PROJECTS

<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>	
<b>Lead</b> , Automatic Irrigation System ( <a href="#">Slideshow</a> )	03/2024 — 05/2024
<ul style="list-style-type: none"><li>Developed an Arduino-based irrigation system using soil moisture sensors and water pumps, reducing manual watering efforts by over 50%.</li><li>Engineered and 3D-printed a protective enclosure in Fusion 360, protecting electronics from environmental damage and prolonging system lifespan.</li></ul>	

## SKILLS

<b>Languages</b>	English (Native), Polish (Fluent), Spanish (Advanced)
<b>Programming Languages</b>	Python, CSS, HTML, Javascript, MATLAB
<b>Technologies</b>	AutoCad, TinkerCAD, Microsoft Office, AutoDesk Fusion 360, Arduino IDE, MacOS

## AWARDS

<b>Seal of Bi-literacy</b> — Spanish & Polish	05/2023
<b>Dean's List</b> — Fall 2024 Semester	12/2024