Daria Dobrolinski

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PROFESSIONAL SUMMARY

I am a Engineering Physics sophomore at University of Massachusetts Boston with strong fundamentals in mathematics looking to gain experience in the biomedical industry.

EDUCATION

Bachelor of Science, Engineering Physics, University of Massachusetts Boston 01/2024 — 05/2027

- Relevant Coursework: Calculus 1 & 2, Fundamentals of Physics 1 & 2, Introduction to Electrical and Computer Engineering, Introduction to Computer Science.

Bachelor of Science, Pharmaceutical Sciences, University of Rhode Island 09/2023 — 12/2023

- Relevant Coursework: Biology, Chemistry, Calculus 1.

WORK EXPERIENCE

Research Assistant 02/2025
University of Massachusetts Boston *Boston, MA*

- Develop 3D brain reconstruction methods using spherical harmonics to address the partial volume problem and enhance simulation accuracy in tCS applications.
- Utilize MATLAB and mesh processing tools to create precise surface and volume models for improved geometric detail in MRI-based reconstructions.
- Implement advanced algorithms to adjust sulci and gyri widths, aiming to reduce data loss and support more accurate biomedical research.

Waitress 10/2022 — 03/2024
Jake n' Joes *Braintree, MA*

- Consistently delivered exceptional customer service—took orders, served food and beverages, and resolved any issues—resulting in tips never falling below 25%.
- Collaborated closely with team members to maintain a fast-paced, clean, and organized environment by bussing tables, restocking supplies, and assisting with food prep under high-stress conditions.

PROJECTS

Lead, Automatic Irrigation System (Slideshow) 03/2024 — 05/2024

- Developed an Arduino-based irrigation system using soil moisture sensors and water pumps, reducing manual watering efforts by over 50
- Engineered and 3D-printed a protective enclosure in Fusion 360, protecting electronics from environmental damage and prolonging system lifespan.

Owner, Anorexia Awareness Website (Website – Github) 01/2025

- Designed and developed a responsive website for anorexia awareness using HTML and CSS, improving user engagement with a clean, accessible layout across multiple devices.

SKILLS

Languages	English (Native), Polish (Fluent), Spanish (Advanced)
Programming Languages	Python, MATLAB, C++, CSS, HTML
Technologies	AutoCad, TinkerCAD, Microsoft Office, AutoDesk Fusion 360, Arduino IDE, MacOS

AWARDS

- **Seal of Bi-literacy** — Spanish 05/2023
- **Seal of Bi-literacy** — Polish 05/2023