PAOLLA BRUNO DUTRA

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EDUCATION

Boston University, Graduate School of Medical Sciences, Boston, MA *September 2021*
Master of Science, Bioimaging

- GPA: 3.94/4.0
- Coursework: Machine Learning, Bioimaging Theory & Image Processing, Methods of Functional Imaging of the Brain

New York University, Tandon School of Engineering, New York, NY *May 2020*
Bachelor of Science, Integrated Digital Media

- GPA: 3.70/4.0
- Minor in Computer Science
- Coursework: UX Design, Senior Project (Accessible Web Development), Intro to Web Development, Dynamic Web Applications, Data Structures & Algorithms, Object-Oriented Programming, Intro to Data Science

SKILLS

Programming: HTML, CSS, JavaScript, Python, Processing, Java, C++, p5.js, React.js, Node.js, SQL, JSON, REST APIs
Tools: Illustrator, InDesign, Photoshop, Lightroom, Premiere Pro, Figma, Sketch, Maya, Blender, Unreal, Microsoft Suite
Design: Wireframing, Card Sorting, User Interviews, Journey Mapping, Persona Creation, Storyboarding, Information Architecture, Competitive Analysis, Usability Testing
Languages: Portuguese (Native & Fluent), Spanish (Advanced), German (Intermediate)

WORK EXPERIENCE

MRI Student Intern | *Boston Medical Center,* Boston, MA *July 2021 – September 2021*

- Conducted screening interviews of patients to identify contraindications, including ferrous objects, cardiac pacemakers, neurostimulators, aneurysm clips, and shunts
- Attained proficient experience operating GE and Phillips Magnetic Resonance Imaging (MRI) machines in an inpatient and outpatient medical center under the supervision of MRI technologists
- Produced and reviewed high-quality MRI images for doctor's analysis and initiated, maintained, and removed IVs according to MRI technologist's instructions for the administration of IV Contrast

Research Intern | *New York University,* New York, NY *June 2019 – August 2019*

- Designed and developed a tutorial website using HTML & CSS on how to perform Image Processing with p5.js, which was eventually used as a tool to teach Image Processing
- Collaborated with another team member on researching effective ways to teach creative coding students how to write algorithms for image blurs, edge detection, and other common Image Processing challenges
- Published documentation on Image Processing and WebGL on the p5.js references page
- Contributed to the development of a library within p5.js called p5.Riso.js, enabling users to code in color layers

PROJECTS

NYU Senior Project | Accessible Web Development *January 2020 – May 2020*

- Conducted a UX research on how to make accessible web development more intuitive for developers and designers
- Prototyped a clickable high-fidelity website using Figma which contains accessible color palettes, coding references, and best practices to assist with accessible web development
- Developed a screen-readable website using React.js in a social media type format which allows users to submit color palettes

LEADERSHIP

Vice President | *NYU Print3D*

- Led the club's new workshop system and shifted its focus from providing the 3D model for students to print out to teaching students 3D modeling, which doubled workshop attendance
- Created reports of weekly meeting discussions to keep track of each team member's designated tasks and progress

Secretary | *NYU Inspired Media Network*

- Planned events focused on career development, such as workshops for setting up a personal portfolio website, creating LinkedIn accounts, and getting feedback on class projects
- Doubled workshop attendance and increased attendee-retention rates by giving students time to work on personal projects and get feedback from their peers during the second half of each meeting