

# RIYA MURUGESAN

[riya.murugesan14@gmail.com](mailto:riya.murugesan14@gmail.com) | (980) 328-1811 | [LinkedIn](#)

## CAREER OBJECTIVE

Aspiring interdisciplinary designer focused on translating complex technical and scientific ideas into clear and accessible visual experiences. Experienced in 3D, illustration, and UI/UX design through both professional and creative projects.

## EDUCATION

**University of North Carolina at Chapel Hill**, Chapel Hill, NC

August 2024 - May 2028

- Computer Science (BS) & Biology (BS) | *GPA: 3.956*

## EXPERIENCE

**The Meantime Coffee Co.** | *3D Modeler* | Chapel Hill, NC

January 2026 - Present

- Model coffeeshop mascot figurines in Blender and resolve geometry issues to ensure successful 3D printing.

**Cardiovascular Modeling and Simulation Laboratory** | *Research Assistant* | Chapel Hill, NC

April 2025 - Present

- Design and implement a computational pipeline to automate the creation of patient-specific 3D models of coronary artery calcium lesions from cardiac CT scans.
- Develop an understanding of deep learning and image classification models using Keras API, and mesh generation using Blender.

## EXTRACURRICULAR ACTIVITIES

**UNC iGEM** | *Social Media and Marketing Subteam Member* | Chapel Hill, NC

February 2025 - Present

- Collaborated with subteam members to produce and edit a professional 15-minute video showcasing the team's synthetic biology project, integrating Canva animations and graphics in After Effects.
- Illustrated the team's official mascot in Procreate, used for the team's website and branding.

**App Team Carolina** | *UI/UX Bootcamp Member* | Chapel Hill, NC

September 2025 - December 2025

- Created interactive iOS designs in Figma for 5+ weekly projects, applying core UI/UX principles such as typography and composition to enhance usability and visual appeal.
- Conducted user interviews and leveraged insights to redesign the FaceTime app and add a whiteboard feature.

## PROJECTS

**Brickapedia** | *Front-End Developer* | Chapel Hill, NC

February 2025

- Led front-end design for a website that outputs Lego builds when given a user's pieces (PearlHacks 2025 Project).
- Employed design elements such as a minifigure hand cursor, hand-drawn pixel Earth logo, and minifigure avatars.

**Dandelion Competition Model** | *Developer* | Durham, NC

November 2023

- Developed a NetLogo simulation to model dandelion life cycle and spread over 1, 3, 6, and 12 months.
- Compared the ecological impact of dandelions, sunflowers, and roses in a controlled simulation.

**Clear Blue** | *Creator* | Durham, NC

March 2023

- Authored and digitally illustrated a sustainability-themed children's book with interactive elements to promote environmental awareness.
- Awarded 1st place at the Technology Student Association State Conference and 6th place at Nationals.

## ADDITIONAL SKILLS

**Programming languages:** Python, Java, C, HTML, CSS

**Design tools:** Blender, Figma, Procreate, After Effects, Canva