

NICOLAS DESPREZ

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Software Engineer with 5+ Years of coding experience, and experience in delivering services to clients. Proven success in leading and developing web-applications and other software driven projects, along with spearheading the creation of 3D Animation content with millions impressions online as a hobby or freelance hire.

Professional Experience

Assistant Team Lead

HII UNMANNED SYSTEMS, Pocasset, MA

September 2024–Present

- Enhancing HII's maritime simulation environment by integrating high-fidelity bathymetric data with Cesium Ion to improve the realism and effectiveness of simulations for unmanned underwater vehicles (UUVs) like the REMUS project.
- Leading Secondary Team on the creation of noise algorithms and simulation environment and refinement of visuals.
- Experience in managing Agile based team workflow, along with scrum meetings and scrum-based workflow.

Lead Software Developer

Self, Remote

September 2024–Present

- Developing a dynamic portfolio website using React to showcase resume and projects.
- Utilized React's component-based architecture to create scalable and reusable UI components.
- Integrated Node.js and Express to manage server-side functionality and API routing.
- Designed and styled the website using Tailwind CSS, ensuring a responsive and modern UI.

Research Assistant

UNIVERSITY OF MASSACHUSETTS DARTMOUTH, North Dartmouth, MA

September 2023–March 2024

- Developed Custom data scraper for grabbing text-information from Divs to accumulate data for QA
- Visualized data using Matplotlib using custom functions.
- Developed and trained a contrastive self-supervised model on pre-processed data.
- Explored ways to use pre-trained BERT models to save training time on question-answering based chat.
- Developed knowledge of deep learning, PyTorch, NumPy, Pandas, and TensorFlow

Education

University of Massachusetts Dartmouth, North Dartmouth, MA

May 2025

Bachelor of Science (Option: Software Engineering)

Additional Skills

- Proficient Languages: Java, Python, C, C++, JavaScript, HTML/CSS(Tailwind)
- Frameworks: JUnit, Next.js, React, Tailwind CSS
- Developer Tools: Git, GitHub, Google Colab, VS Code, IntelliJ, PyCharm, Trello