NICOLAS DESPREZ

ndesprez@umassd.edu • (508) 530-1951 • linkedin.com/in/nicolas-desprez-629782249

Skills

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

Significant Projects

Portfolio Website

Self, Remote   **September 2024–Present**

- Developed a dynamic portfolio website using React, Next.js, and GSAP to showcase resume and projects.
- Utilized React's component-based architecture to create scalable and reusable UI components.
- Designed and styled the website using Tailwind CSS, ensuring a responsive and modern UI.

Professional Experience

Assistant Team Lead   **September 2024–Present**

HII UNMANNED SYSTEMS, Pocasset, MA

- Enhance 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.
- Lead Secondary Team on the creation of noise algorithms and simulation environment and refine visuals.
- Manage Agile-based team workflow, along with scrum meetings and scrum-based workflow.

Research Assistant   **September 2023–March 2024**

UNIVERSITY OF MASSACHUSETTS DARTMOUTH, North Dartmouth, MA

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

Riot Games 3D Artist   **June 2023–August 2023**

Rosewood Creative LLC., California

- Led creative design and direction for high-impact 3D sequences, showcasing game assets in visually stunning advertisements.
- Collaborated with cross-functional teams to craft an inspiring motivational video aimed at engaging Esports teams and gamers, delivering a message of perseverance and team spirit.
- Achieved over a million views across social media platforms, meeting tight deadlines and exceeding viewership expectations.

Education

University of Massachusetts Dartmouth, North Dartmouth, MA   Expected May 2025

Bachelor of Science (Option: Software Engineering)