JONATHAN GEORGE

Newmarket, NH | github.com/jongeorge1999

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Graduate student and U.S. Army veteran passionate about computer science, graphics programming, and modern web development. My research focuses on improving the field of Computer Graphics and Visualization.

EXPERIENCE

RESEARCH ASSISTANT

UNH Space Operations Center | Durham, NH

DECEMBER 2023 – PRESENT

As a research assistant at the UNH Space Operations Center, I was tasked with programming research and data analysis tools for the NASA Parker Solar Probe program. These tools were developed using the Python programming language, with test-driven development methodologies, in an AGILE-like production environment.

TEACHING ASSISTANT, DS/ALGORITHMS

University of New Hampshire | Durham, NH

MAY 2025 – AUGUST 2025

Assisted in teaching core topics of Data Structures and Algorithms including arrays, linked lists, trees, graphs, sorting, and complexity analysis while emphasizing algorithmic correctness.

JUNIOR SOFTWARE ENGINEER

Spacepy | Durham, NH

DECEMBER 2023 – DECEMBER 2024

Developed and maintained a Python library tailored for space-related applications, focusing on quality-of-life improvements for Astrophysics research.

EDUCATION

B.S. COMPUTER SCIENCE

University of New Hampshire

JANUARY 2022 - DECEMBER 2025

- Relevant coursework: Algorithms, Systems Programming, Computer Graphics, Mathematical Optimization
- GPA 3.76
- Research focused on Computer Systems and visualization

SKILLS

- C/C++
- Typescript
- Python
- OpenGL/Vulkan
- Mathematical Optimization
- NodeJS/ReactJS
- MySQL/PostgreSQL
- ML/RL