

# Donovan Murphy

Computer Science B.S.

## PROFILE

Dynamic Computer Science major with Secret government clearance and valuable work experience in the defense industry. Demonstrated ability to manage high-stakes projects within advanced technical environments, including High-Performance Computing (HPC) and simulation technologies. Proven aptitude for collaborating within various teams and contributing to innovative defense solutions. Committed to continuous learning and staying educated on the latest advancements in technology.

### CONTACT

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### EDUCATION

May 2025  
**Computer Science B.S.**  
- Florida Institute of Technology -  
- Melbourne, FL -

### KEY SKILLS

**Languages:** C++ • Python • Java •  
BluePrint •

**Technology Skills:** High  
Performance COmputing •  
Hypervisors • Containers •  
Infiniband • EXSI • Data Center  
Management • Web Applications •  
Unreal Engine Dev • Wireshark

**OS:** Linux • Windows • RedHat

**OTHERS:** JIRA • Confluence •  
Docker • Git • Github • BitBucket • VR  
Headsets • Simulated Environments  
• ML AI Cluster • MatLab •

### AWARDS

**Distinguished Scholar Award**  
Full Academic Scholarship

**Dean's List**  
Fall 2021, Spring 2022, 2023, 2024

### RELEVANT EXPERIENCE

#### Work Experience

**Northrop Grumman - Software Engineer Intern - Melbourne, FL**  
May – July 2024  
**High-Performance Computing (HPC)**

- Strengthened technical skills in HPC management, assisted in the setup and management of HPC systems, enhancing infrastructure capabilities.
- Applied problem-solving skills to teach users how to run programs on HPC, improving efficiency and fostering a productive work environment.

#### Image Generator and Simulation:

- Worked with the DIS network to enhance image generation of simulated environments.
- Gained proficiency in Unreal Engine gaming database, contributing to advanced simulation projects, HMI studies, and reinforcing technical skills.

#### Advanced Technologies:

- Familiarized with cutting-edge technologies, including the installation and configuration of storage and AI servers, expanding technical expertise.
- Contributed to integrating Varjo VR mixed reality headsets for HMI studies and cockpit design improvements, supporting innovative project outcomes.

#### Computer Science Project Experience

**Expense Manager and Reporting System Using Web Data Extraction**  
**- Lead Developer -**  
March 2024

- Applied problem-solving skills to address intricate challenges, fostering a deeper understanding of algorithmic complexities.
- Proficiency in creating user-friendly graphical reports from extracted data
- Advanced understanding of data processing and analysis techniques
- Strong problem-solving abilities in handling intricate web data scraping challenges
- Expertise in designing and implementing complex data extraction algorithms
- Strengthened proficiency in Python, fostering adaptability in addressing multifaceted programming challenges.