Alyssa Malencia

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Summary

Engineer with 5+ years of experience in electrical, nuclear, and software systems. Proven ability to manage large projects, ensure operational safety, and contribute to mission-critical operations through technical excellence and leadership.

Key Skills

- Nuclear Engineering
- Project Management
- Design Integration

Professional Experience

Naval Reactors   **June 2018 – September 2023**

General Responsibilities: Engineer, Project Manager, Instructor   *Washington, DC*

- Engineer (June 2018 – June 2020): Responsible for overseeing various I&C test programs, maintenance programs, and software upgrades for nuclear systems on aircraft carriers. Responsible for responding and resolving to urgent technical issues.
- Lead Engineer (June 2020 – September 2023): Lead engineer responsible for managing various I&C programs associated with nuclear systems on aircraft carriers and submarines. Programs included reactor analysis, test programs, software development, shock analysis, and resolving urgent technical issues. Managed instructional classes to teach cognizant systems to users.

Education

Pennsylvania State University   **August 2014 – May 2018**

B.S. in Nuclear Engineering, Minors in Mathematics Applications and Military Studies   *State College, PA*

- GPA: 3.86
- Distinctions: Cum Laude, Schreyer Honors College, Honors in Nuclear Engineering
- Relevant Coursework: Nuclear Reactor Core Design, Advanced Reactor Design, Radiation Shielding, Design of Reactor Systems, Linear Programs, Honors Matrices, Heat Transfer, Fluid Flow, Engineering Thermodynamics

Bettis Reactor Engineering School   **March 2019 – August 2019**

Certificate of Completion   *West Mifflin, PA*

- Relevant Coursework: Reactor and Power Plant Design, Reactor Plant Dynamics Control and Safety, Heat Transfer and Fluid Flow, Applied Structural Mechanics, Reactor Theory, Integrated Reactor Plant Development

CircuitStream Game Development Bootcamp   **February 2024 – October 2024**

Certificate of Completion   *Online Course*

- Curriculum: Unity Game Engine, C# Project Development, Multiplayer Game Development. Data Structures and Algorithms, Game Architecture

Additional Skills

C#	API Network Communication	Risk Assessment
MATLAB	Reactor Analysis	Instructor
HTML	Data Analysis	Presentation Delivery
LaTeX	Root Cause Analysis	Agile Development
Git	Technical Writing	Game Development
Microsoft Office	Executive Interaction	Unity Game Engine

Awards

- Navy and Marine Corps Commendation Medal (2023)
- Global War on Terrorism Service Medal (2018)
- National Defense Service Medal (2018)