

Alyssa Malencia

📞 724-841-9418 ✉ amalencia@gmail.com [in linkedin.com/alyssa-malencia](https://www.linkedin.com/in/alyssa-malencia) github.com/amalencia alymalencia.com

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#	Reactor Analysis	Game Development
C++	Instructor	Game Design
Git	Interact with Executives	API Network Communication
Microsoft Office	Risk Assessment	Object Oriented Programming
Blender	Data Analysis	Agile
Technical Writing	Cross-Functional	LaTeX
Root Cause Analysis	Collaboration	Unity Game Engine
MATLAB	Presentation Delivery	Unreal Game Engine.

Awards

- Global War on Terrorism Service Medal
- National Defense Service Medal
- Navy and Marine Corps Commendation Medal