

# LT William G. Sullivan

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## EDUCATION

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### **Prospective Nuclear Engineer Officer Course // Bangor, WA** *Feb '23 – Apr '23*

- Rigorous study of advanced nuclear theory culminating in formal qualification by Naval Reactors, Washington, D.C., for duty as an Engineer Officer on nuclear power plants.

### **Naval Nuclear Power School // Charleston, SC** *May '20 – Nov '21*

- Advanced coursework in nuclear engineering and related disciplines followed by hands-on training at an operational S5W reactor plant.
  - 3.68/4.0 with Honors (7<sup>th</sup> out of 88 students).

### **University of Notre Dame // Notre Dame, IN** *Aug '16 – May '20*

- Bachelor of Science, Computer Science.
  - 3.65/4.0
  - Balanced Varsity Cheerleading and Naval ROTC commitments with coursework.

## WORK EXPERIENCE

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### **Nuclear Submarine Officer // Bangor, WA** *Nov '21 – Sep' 24*

*USS Jimmy Carter (SSN-23)*

- Assistant Engineer Officer // *Engineering Department* *(Jun '23 – Sep '24)*
  - Second in command of a 68-person department responsible for the operation and maintenance of a 220-megawatt S6W pressurized water reactor.
  - Planned and executed three multi-million-dollar maintenance availabilities.
  - Coordinated three major nuclear testing periods (control rod, secondary relief, and primary relief) and over thirty full-speed propulsion plant drills with no mishaps.
  - Generated an in-depth 95-page operating document to serve as an aid during complex nuclear casualties such as steam line rupture and isolated loop recovery.
  - Corrected fifteen discrepancies in the ship's standard equipment lineups that could have severely damaged the ventilation, oxygen generation, and sonar systems.
  - Facilitated adoption of an electronic work controls and pre-certified document process which saved the ship hundreds of man-hours.
- Chemistry-Radiological Assistant // *Reactor Laboratories Division* *(Oct '22 – Feb '23)*
  - Head of the most administratively intensive division responsible for steam plant chemistry, reactor plant chemistry, and radiological controls.
  - Revised all major divisional programs including radioactive material control and the radioactive discharge log to receive an Average or above on all program audits.
- Electrical Assistant // *Electrical Division* *(Jul '22 – Sep '22)*
  - Oversaw maintenance on vital equipment including the ships secondary propulsion unit, electrolysis oxygen generator, and turbine generators.
- Main Propulsion Assistant // *Machinery Division* *(Jan '22 – Jun '22)*
  - Responsible for all nuclear mechanical systems including reactor and steam plant piping, turbines, shaft components, freshwater production systems, and refrigeration plants.

**Cybersecurity Research Associate** // Notre Dame, IN  
*Notre Dame Center for Research Computing*

*Jan '20 – May '20*

- Created a Dark Web intelligence tool to provide cybersecurity professionals information about zero-day exploits, leaks, and emerging malware.

**Software Engineering Intern** // Eden Prairie, MN  
*Optum, Inc.*

*May '18 – Aug '18*

- Developed a quality assurance testing framework for Optum's Vision Insurance department.

## **LICENSES & CERTIFICATIONS**

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**Nuclear Engineer**  
*Naval Reactors NAVSEA 08, Washington, D.C.*

*Apr '23 – Present*

**TS/SCI Clearance with CI Polygraph**  
*Naval Criminal Investigative Service (NCIS)*

*Nov '21 – Present*

## **AWARDS**

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**Presidential Unit Citation**  
*Secretary of the Navy*

**Battle Effectiveness and Engineering Excellence Awards**  
*Submarine Development Squadron 5*

**Navy/Marine Corps Achievement Medal (x4)**  
*USS Jimmy Carter (SSN-23)*

## **SKILLS**

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Linux | C | C++ | JavaScript | Python | HTML/CSS