Nathan Park

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Profile

Dedicated Cybersecurity student with 9 years of nuclear industry and computer technology experience in roles such as Reactor Operator and Operations Technology Specialist. Proven ability to manage highly detailed and creative software development projects while simultaneously maintaining honors-level academic performance. Adept at applying programming languages (C++, VBA, SQL, JavaScript) to solve problems and improve processes. Extensive background in I&C computer technology, troubleshooting, and data analysis. Passionate about personal and professional development in the sciences and mathematics.

Skills:

Problem-solving with programming languages (C++, VBA, SQL, JavaScript, Cicode)

Excellent computer skills and technical written communication

Project collaboration, accountability, and time management

Uncompromising respect for nuclear and industrial safety culture

Professional Experience

URENCO USA

February 2022 – August 2023: Operations Technology Specialist

- Lead developer for plant simulation program for training nuclear enrichment plant operators, utilizing function block programming, JavaScript, and Cicode.
- Single most knowledgeable individual for plant SCADA software.
- Facilitated major technical projects, including hardware modernization and software modifications, by serving as a key interface between operations and internal/external partners.
- Improved administrative processes through program development and refactoring, resulting in significant time savings and enhanced functionality.
- Proficiently managed multiple SQL databases, minimizing downtime and ensuring accurate data reporting.
- Network administrator for 2 classified operations networks.

November 2020 – January 2022: National Enrichment Facility Operator

- Maintain, operate, and monitor all equipment necessary to maintain a safe operational environment and execute procedures without error to maintain facility production.

UNITED STATES NAVY: 2014 - 2020

February 2020 – October 2020: Reactor Control Division Leading Petty Officer

- Direct supervisor for 65 division members responsible for reactor operation, maintenance, casualty response, training, and professional mentoring
- Received 2020 award for improving division maintenance readiness from 70% to 100% and improving calibration program readiness from 62% to 96%.

- Accountable for over $5,000,000 in computer and I&C components, test equipment, and spare parts.
- Achieved highest 5-year enrollment rate of division members in technical training and tuition assistance programs.

August 2019 – October 2020: Reactor Technician

- Accumulated 2000 hours of watch experience leading reactor operators, casualty response, evaluating plant operational data, and supervising shift maintenance.
- Foremost shipboard expert on digital control and data acquisition systems and their operation. Specific systems include rod control, nuclear instrumentation, and associated data acquisition systems.
- Delivered 40 hours of classroom instruction and training on I&C technology, reactor theory, and operational methodology to 450 personnel.
- System administrator for nuclear instrumentation maintenance network. Ensured up-to-date and secure software distributions for I&C maintenance.
- Direct supervisor for all reactor control maintenance occurring during the shift.

August 2018 – October 2020: Reactor Operator

- Observed and critically evaluated A4W reactor plant parameters, reliably followed all operational procedures, and took safe and proper action in all normal and abnormal plant conditions to maintain maximum reliability of power generation.
- Performed over 200 reactor control system preventative maintenance items and 27 troubleshooting and repair missions on I&C equipment.

Education

Old Dominion University, Norfolk VA

Bachelor of Science: Cybersecurity

Anticipated graduation: 2025

Tidewater Community College, Norfolk VA

Associate of Sciences: Computer Science

2021 - 2023

GPA: 4.0

Naval Nuclear Propulsion Training Program, Charleston SC

Reactor Operator and I&C Program

2014 – 2016

Honors Graduate