

## C. ADAM MACDONALD

[C.Adam MacDonald@alumni.upenn.edu](mailto:C.Adam MacDonald@alumni.upenn.edu) | (717) 758-1155

### Executive Summary

Respected Strategy, Technology, & Operations Manager with 10 years of experience leading in tight-knit organizations. Proven track record of guiding cross-functional teams through critical projects and building stronger organizations.

### Core Competencies

Production Management, Data Analysis, Operations Oversight, Coaching & Training, Enterprise Resource Planning, Strategy Planning, Process Optimization, Quality Assurance, Project Management, Lean Sigma Six

### Professional Experience

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**Prudential Financial - PGIM Fixed Income, Newark, NJ**

*Jun. 2019 – Aug. 2019*

***Military Veterans Internship Program, Client Advisory Group***

- Integrate and automate *Seismic* sales enablement platform with PowerPoint, Aladdin, SAP Enterprise Resource Planning (ERP) Software, and Tableau eliminating 1,320+ hours of intensive activities and reducing data warehouse size 9%
- Advise on personnel workflow efficiencies utilizing Agile Program Management and Lean Sigma Six practices
- Consult and co-develop Marketing Department financial data architecture for implementation with content delivery service

**The Linde Group, Stewartsville, NJ**

*Aug. 2016 – Aug. 2018*

***North American Operations Manager (Remote Operator II) , Cryogenic Gas Production Facilities***

- Advise, deploy, and manage Tableau Key Performance Indicators system, increasing target system efficiency 2%
- Oversee testing reports, risk assessments, engineering reports; write, revise, and maintain standard operating procedures
- Promote an environment of professional development; interview and train new employees
- Advise and consult with senior leadership to maximize system throughput and minimize operational downtime
- Manage machinery and liaise with engineers in operation of Air Separation Units, valued in excess of \$775,000,000

**New Century Management, Las Vegas, NV**

*Nov. 2015 - Aug. 2016*

***Business Analyst, Real Estate Management Services***

- Develop and deploy models; analyze complex high-dimensionality data, building holistic understanding of customers
- Review and synthesize tax and regulatory environment to best advise senior partners regarding on-going business
- Manage Enterprise Resource Planning (ERP) and Customer Relation Management (CRM) systems
- Led the transition to a paperless system, reducing cost of labor by 10% and office overhead by 2%.

**United States Navy, Various Locations**

*Nov. 2009 – Nov. 2015*

***Senior Nuclear Laboratory Supervisor & Quality Assurance Supervisor, Nuclear Power Generation Facilities***

- Manage, train, and supervise team of 25 with specialization in analytical chemistry, bio-medical, and mechanical systems
- Extensive cleanroom experience including establishment, control points, air sampling, remediation, and disestablishment
- In-depth knowledge of audits and reviews; Information Management Systems including LIMS, ERP, QRM, QMS
- Project manager with oversight of 850+ projects annually, supporting equipment valued in excess of \$250,000,000
- Expert technical consultant; routinely engage and advise senior stakeholders on system operations and maintenance
- Perform root cause analysis and remediation of defects using Industrial Process Controls, cGMP, and systems analysis
- Quality Supervisor for nuclear-level clean systems and materials, including pre-inspection and release of final product
- Oversaw calibration and maintenance of precision instruments including spectrometers, radionuclide detection systems
- Write and review Standard Operating Procedures (SOPs), test methods, and lab testing summary reports
- Review test results, Quality Control equipment calibration, and maintenance records for accuracy and completeness
- Comprehensive experience with handling of hazardous chemical, biological, and nuclear materials; MSDS and OSHA
- Analyze and review analytical chemistry including titrations, turbidities, total dissolved solids, pH, degassed gross activity, charged disk activity, total activity, litmus, gravimetric analysis

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**United States Navy, Various Locations**

Nov. 2009 – Nov. 2015

**Senior Nuclear Mechanical Technician, Nuclear Power Generation Facilities**

- Exhaustive experience operating and maintaining reactor, water purification, steam generating, air handling, boilers, water cooling, refrigeration, and interfacing control systems
- Oversee, train, and lead team of 8 in day-to-day maintenance and emergency (casualty) conditions
- Extensive experience in nuclear maintenance including decontamination and remediation
- Routinely engage and advise senior stakeholders on mechanical system operation and planned maintenance
- Perform root cause analysis using Industrial Process Controls, cGMP, and systems analysis
- Firefighting hose team leader in multiple class A, B, and E fires
- Quality Assurance Inspector, Auditor, and Supervisor for clean systems and materials, including pre-inspection and release
- Use, calibration, auditing, and maintenance of precision instruments including calipers, micrometer, scales, etc.
- Review and analyze engineering and safety reports

## Education

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**Harvard University, Data Science Professional Certificate (2020, In Progress)**

**University of Pennsylvania, B.A. Economics (2020), Philosophy & Economics Fellow**

**Universidad de Granada, Spanish Language Certificate, Intermediate B1.1 (2015)**

**United States Navy Nuclear Power School, Mechanical Engineering, Analytical Chemistry (2011)**

**Pennsylvania State University, Management of Information Systems (2009)**

## Technical Skills

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**Applications:** *Seismic, SAP, Salesforce, LIMS, Microsoft Office Suite, QMS, Excel, MATLAB, Tableau, Aladdin, Quicken*

**Technical Programs:** *ISO, OSHA, SDS/MSDS, cGMP, Lean Sigma Six, IPC*

**Programming Languages:** *R, Python, Lua*

## Awards & Medals

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Letter of Commendation Admiral J.S. Ruth, Meritorious Unit Commendation, National Defense Service Medal, Global War on Terrorism Expeditionary Medal, Global War on Terrorism Service Medal

## Organizations & Volunteerism

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**Penn Alumni Interview Program, Alumni Interviewer**

**United State Armed Forces Association, Member**

**American Nuclear Society, Member**

**Habitat for Humanity, Volunteer**