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Summary

Results-driven technical leader with 10+ years of US Navy experience managing complex projects and leading high-performing teams. Proven ability to deliver mission-critical objectives, demonstrated by 800+ flight hours as an MH-60S/MQ-8B Aircraft and Mission Commander. Expertise leading technical teams, ensuring compliance, and overseeing advanced aviation systems. Strong technical skills in Java, JavaScript, React, Python, SQL, and data modeling (Excel, Tableau, Power BI). Experienced in data-driven projects, including ML/AI, full-stack web development, automation, data warehousing, and analytics. Seeking a challenging technology role where leadership, technical skills, and a data-driven approach can drive organizational success.

Skills

- **Technical Proficiencies:** Java, JavaScript, React, Python, SQL, HTML, CSS, Git, RESTful APIs
- **Data Analysis & Visualization:** Excel (Advanced), Tableau, Power BI, Data Modeling, ETL, Data Warehousing, Sentiment Analysis, Data Integration, Reporting
- **Project Management & Methodologies:** PMP, Agile, Scrum, Waterfall, Strategic Planning, Implementation, Evaluation, OKR Development, Risk Management, Budget Management, Process Improvement, Quality Assurance
- **DevOps & Cloud:** Jira, Azure DevOps, GitHub, GitHub Actions (CI/CD), Basic Cloud Concepts
- **Leadership & Communication:** Team Leadership, Mentoring, Cross-Functional Collaboration, Stakeholder Management, Presentation Skills, Negotiation, Conflict Resolution, Technical Documentation

Experience

United States Navy | *May 2014 – March 2024*

Safety Officer, USS BOXER (LHD-4) | *San Diego, CA* | *March 2023 – January 2024*

- Led 80 personnel across 18 safety programs, achieving 99.5% operational readiness, contributing to mission success.
- Developed KPIs and trend analysis reports, providing insights that informed strategic decisions and improved safety protocols.
- Contributed to Battle Effectiveness and Green "H" (Aviation Safety) Awards, demonstrating exceptional performance.
- Led investigation and root cause analysis of safety incidents, implementing corrective actions to reduce risks.

United States Navy (Continued)

Executive Assistant/Budget Officer, International Programs, USNA | Annapolis, MD | September 2020 – March 2023

- Managed a \$5M+ budget, overseeing 150 programs for 800+ students, exceeding participation targets by 15%.
- Established relationships with international ambassadors, facilitating successful international programs.
- Led post-COVID-19 program resumption, developing new risk and logistical frameworks for participant safety.
- Streamlined budget allocation, increasing program efficiency and resource utilization by 10%.

Quality Assurance Officer, Helicopter Sea Combat Squadron (HSC) 23 | San Diego, CA | February 2020 – August 2020

- Optimized maintenance for 15 MH-60S helicopters and 8 MQ-8B UAVs, contributing to 600+ flight hours and increased aircraft availability.
- Implemented standardized maintenance procedures, enhancing operational efficiency and readiness.
- Supervised 42 Maintenance Program Managers, ensuring adherence to quality control standards.
- Reduced maintenance turnaround time by 15% via process optimization.

Detachment Operations Officer, Helicopter Sea Combat Squadron (HSC) 23 | San Diego, CA | August 2019 – February 2020

- Coordinated aircraft operations, maintaining 100% mission readiness in dynamic environments.
- Planned and executed UAV (MQ-8B) and MH-60S operations in the South China Sea, navigating complex challenges.
- Developed mission planning strategies for high-risk environments, ensuring mission success.
- Led pre-flight briefings and post-flight debriefings, ensuring clear communication.

Naval Aviator | San Diego, CA | February 2016 – August 2020

- Accumulated 800+ flight hours as Aircraft/Mission Commander in MH-60S helicopters and MQ-8B UAVs.
- Maintained Aircraft Commander qualification, demonstrating expertise in flight operations and safety.
- Deployed multiple times to various AORs, including the Pacific and Middle East.
- Planned and executed multinational exercises, fostering international collaboration.
- Consistently received top performance evaluations.

MIT Lincoln Laboratory | *Lexington, MA | June 2013 – August 2013*

Computer Security Project Intern

- Conducted vulnerability analysis and data security research.
- Contributed to improved security protocols.
- Gained experience in cybersecurity principles.

Projects

- **Social Media Content Sentiment Analysis and Optimization:** Leading development of a data warehouse integrating the YouTube API, sentiment analysis APIs (e.g., Google Cloud Natural Language API, Hugging Face), and web-scraped data. Provides actionable insights to content creators, optimizing content strategy based on audience sentiment. Utilizes Python for data extraction/analysis and SQL for database management.
- **Full-Stack Web Development:** Led engineering teams in Agile environments to develop web applications and data analytics dashboards. Projects utilized modern development practices, including Git, CI/CD (GitHub Actions), and React. (Portfolio: github.com/pctrainor)
- **Open-Source AI Tools:** Developed and contributed to open-source, AI-powered productivity tools using Python, React, and the OpenAI API. Focused on automating tasks and enhancing workflows. Contributions include an NLP module for text summarization.

Education

Sam M. Walton College of Business, University of Arkansas | *Fayetteville, AR Master of Information Systems* | Expected May 2025

- Relevant Coursework: Data Management, Business Intelligence, Data Mining, Project Management, Systems Analysis and Design, Cybersecurity, Cloud Computing

United States Naval Academy | *Annapolis, MD Bachelor of Science, Information Technology (with Merit)* | May 2014

- Upsilon Pi Epsilon – International Honor Society (CS & IT)

Naval Aviation Safety Officer School | *Pensacola, FL* | February - March 2023

Student Naval Aviator | *Pensacola, FL* | August 2014 – February 2016

Licenses & Certifications

- **Project Management Professional (PMP)** – Project Management Institute
- **Commercial Pilot License** – FAA