

# Adrian P. Pastella

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## PROFESSIONAL SUMMARY

Self-motivated, result-oriented, and technically proficient military professional with five years of experience as a Semiconductor Equipment Maintenance Technician and five years of experience as an Avionics Technician. Have the ability to solve complex discrepancies by providing technical and abstract troubleshooting solutions while performing in high-tempo environments with thorough attention to detail. Defined as a subject matter expert in troubleshooting and electrical repairs. Inactive DOD Secret Security Clearance.

## AREAS OF EXPERTISE:

- Continual Process Improvement
- Technical Document Writing
- Schematics/Engineering Diagrams
- Programming in C++, Java, and Python
- Electrical Troubleshooting
- Agile Software Development
- Quality Assurance and Safety
- Postman and Code Climate

## WORK EXPERIENCE

### Semiconductor Equipment Maintenance Technician, Broadcom Inc | Feb 2020 – Present

#### *Troubleshooting and Maintenance*

- Perform scheduled and unscheduled maintenance on various Diffusion, Chemical Vapor Deposition, Implant, and Milling equipment tool sets to ensure uptime longevity.
- Utilize Fault Detection and Classification (FDC) programs to track trends, troubleshoot, and identify deviations in process parameters.
- Utilize a Computerized Maintenance Management System (CMMS) to manage maintenance priorities, log work hours, and update equipment statuses.
- Regularly update technical documents to improve technician efficiency, increase uptime, and improve team training and reliability.

### Avionics Technician, United States Marine Corps | March 2015 - Feb 2020

#### *Troubleshooting and Maintenance*

- Troubleshoot, maintain, repair, fabricate, and replace electrical wiring, wiring harnesses, and electronic components referencing schematics and maintenance publications to improve operation and uptime while minimizing maintenance costs.
- Utilize electronic principles, technical knowledge, and critical thinking skills to diagnose and troubleshoot discrepancies.
- Isolate defective wiring utilizing schematics, engineering diagrams, and test equipment such as multimeters, megohmmeters, and time-domain reflectometers.

#### *Supervising and Quality Assurance*

- Quality Assurance Representative responsible for enforcing proper maintenance practices and safety regulations ensuring they are understood and adhered to throughout the workplace. Responsible for creating product quality discrepancy reports, technical publication discrepancy reports, and engineering investigation requests for faulty equipment and publication discrepancies.
- Metrology and Calibration Program Manager responsible for ensuring calibrated assets remain mission capable.
- Work center supervisor in charge of 15+ personnel responsible for coordinating and documenting qualifications, providing guidance and monitoring personnel performance to ensure technical proficiency in the work center.

## TRAINING AND CERTIFICATION

- |   |  |               |
|---|--|---------------|
| Major in Computer Engineering, Aerospace Con. | Colorado State University              | May 2025      |
| Minor in Computer Science                     |  |               |
| Lean Six Sigma Green Belt Course              | U.S. Marine Corps                      | August 2019   |
| Electrician, Aircraft Apprentice              | U.S. Department of Labor               | December 2018 |
| General Radio Operator License                | Federal Communications Commission      | June 2018     |
| F/A-18 Electrical/Instrument Systems Training | Center for Naval Aviation Tech. Train. | February 2016 |
| Apprentice Electrician Technical Training     | Naval Air Technical Training Center    | October 2015  |