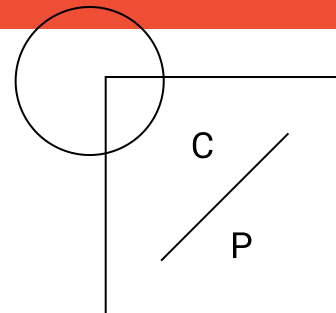


Christopher

Dang, PE



+ Personal Information

📍 Glendale, United States
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🌐 <https://DrDang.github.io>

+ Profile

Active DOD Clearance. Professional Engineer (PE) who's a quick learner, having solved many problems across multiple avionics platforms, including cases with no prior experience. I am proud to have kept F-15 ADCP2 line up even through a full site migration. I like to go all in such as when I decided to go for my PE and passed both FE and PE on the first try, all within a year. Looking for opportunities to challenge myself while technically contributing to impactful projects via excellent engineering.

+ Work Experience

📅 06/2023 - PRESENT 📍 PHOENIX, UNITED STATES

Lead Systems Engineer Honeywell International Inc

- Modeling requirements for new product introduction of the Honeywell 360 Display for Military ground vehicles
- Resolved multiple complex F-15 ADCP2 issues at the customer to their satisfaction
- Scaled testing capabilities via hardware & software upgrades by 280%
- Addressed FAI concerns for new vendor production lines, resulting in smooth integration
- Supported & passed FCA, PCA, ATP, and Configuration Management audits
- Completed Level of Repair Analysis (LORA) & Depot Activation Requirements documentation
- Certified L2 export classifier with over 230 classifications done (L3 certification in progress)
- AET proposals, both ROM and TINA-level
- Authored over 95% of project documentation on the organizational wiki
- Troubleshoot and supported T-45 test solutions

+ Work Experience

📅 02/2021 - 06/2023 📍 PHOENIX, UNITED STATES

Senior Advanced Test Engineer Honeywell International Inc

- Led team of engineers & technicians for F-15 ADCP2
- Responsible for all F-15 ADCP2 test software development and sustainment: 11 automated LRU testers, 2 automated SRU testers, 5 manual SRU testers, 2 software benches, 5 thermal testers, and 2 vibration testers.
- Successful rollout of a new test data SQL database, bettering test analytics by orders of magnitude.
- Pioneered AGILE team workflow via JIRA.
- Improved test software for efficiency and test times with the audit software 60% faster
- Solved problems on programs: C-17, B-1, F-16, F-18, C5, C-130, & more.

📅 01/2019 - 02/2021 📍 PHOENIX, UNITED STATES

Advanced Test Engineer Honeywell International Inc.

- Successfully led the redesign & build of a new ATE, including software integration
- Led development of updated test chassis for automated card tester
- Represented Honeywell for F-15 ADCP2, resulting in successful CMMI Level 3 appraisal
- Solved overheating in ESS testing, mitigating future escapes and saving test time and material costs
- Essential test support for a successful software Qual

📅 01/2018 - 01/2019

📍 ALBUQUERQUE, UNITED STATES

Engineer 2 Test Honeywell International Inc.

- Developed 1553 VME Board driver for obsolescence on C-5 SILs on VxWorks
- Developed BIT decoding & enhanced troubleshooting capability on ATP
- Improved ESS Thermal test for all ADCP2 programs, adding multi-UUT testing capability
- Refined & released detailed acceptance test procedure documents for all ADCP2 programs
- Led the ARINC-818 & fibre channel ATP test updates
- Developed new Large Area Displays QUAL testing

+ Work Experience

📅 06/2015 – 01/2018

📍 ALBUQUERQUE, UNITED STATES

Engineer 1 Test Honeywell International Inc.

- Completed LRU manual test software development via CVI
- Developed software for LRU automated firmware & software loading & auditing using JTAG, RS-232, & SPI
- TestStand Development and documentation for ATP
- Fixed issues on ESS thermal & vibration test software
- Designed and implemented ARINC-818 testing

📅 06/2014 – 08/2014 📍 HOUSTON, UNITED STATES

Hardware Design Intern Hewlett Packard

- Designed, tested, and deployed a new test system for HP SmartDrive product line at multiple sites, resulting in decreased escapes.
- Conducted thorough troubleshooting of server system prototypes

📅 01/2014 – 01/2015 📍 SOCORRO, UNITED STATES

NMTSAT Subsystem Lead New Mexico Tech

- Lead the analysis, testing, and update of the Langmuir Plasma Probe subsystem, including schematic and PCB design using EDA

+ Skills

Team Leadership
TestStand, C, CVI, LabVIEW, Matlab, Python, SQL,
Assembly Development
Documentation
ClearCase, ClearQuest, and Teamcenter
Confluence, JIRA, Bit Bucket, SVN, GIT
Export Classification
Enterprise Architect, Eclipse Papyrus, MBSE, SysML

+ Awards

📅 12/2022

Chief Engineer's Recognition Award Honeywell

📅 06/2020

Top Flyer Award Honeywell

📅 02/2020

Outstanding Engineer Award Honeywell

+ Education

📅 08/2011 – 05/2015

Electrical Engineering | BS, High Honors New Mexico Institute of Mining and Technology

+ Certificates

📅 01/2025

Professional Engineer (Electrical and Computer)

Arizona Board of Technical Registration

<https://btr.az.gov/licensees/engineerelectrical/christopher-dang>

📅 04/2024

Cisco Certified Network Associate Cisco

📅 02/2024

FAA Part 107 Certified Drone Pilot Federal Aviation Administration

📅 03/2016

Six Sigma Green Belt Honeywell

📅 2023

L2 Export Classifier Honeywell

📅 2017

N2 Japanese-Language Proficiency The Japan Foundation

+ Publications

📅 12/2012

New Mexico Tech Satellite Design and Progress

American Geophysical Union, Fall Meeting 2012

<https://ui.adsabs.harvard.edu/abs/2012AGUFMSA11A2136L/abstract>

+ Self Improvement Projects



L3 Certification
in Progress



ISC2 Cyber
Security
Certification in
Progress