



# CODY PALMER

Lead Systems Engineer

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palmerco



“Accomplished engineer with excellent communication skills, leadership experience, an eye for detail, and proven ability to manage tasks successfully.

## EXPERIENCE

### BWI Group

Dayton, Ohio

#### Lead Systems Engineer (Mar. 2024 – Present)

- Routinely meet with customers to communicate project technical details
- Primary point of contact for system engineering requirements
- Develop and test control algorithm and application software
- Track and document internal and customer engineering documents

#### Control Algorithm Engineer (Jun. 2023 – Mar. 2024)

- Design Simulink and Stateflow control logic to meet customer requirements
- Develop GUIs with functionality to automate calibration processes
- Design Model-In-Loop (MIL) test benches to verify control logic
- Analyze CAN and XCP signals within CANape to verify system requirements
- Document module and calibration changes within tracking software

#### System Test Engineer (Mar. 2022 – Jun. 2023)

- Design system level test cases on the Hardware in the Loop (HIL) System
- Execute test cases every software release and identify any issues
- Implement version control process for test cases
- Primary contact for system safety requirements

### Northrop Grumman

Redondo Beach, California

#### Principal Systems Engineer (Nov. 2020 – Nov. 2021)

- Optimized MATLAB scripts to reduce run-times
- Implemented system engineering V-Model for a large set of requirements
- Developed BER curve simulations for communication systems
- Computed RF requirement capabilities, margins, and compliance

### Dynetics – A Leidos Company

Dayton, Ohio

#### Electrical Engineer II (Dec. 2017 – Aug. 2020)

- Project Manager for two engineering contracts
- Routinely met with customer to discuss project status and milestones
- Added new capabilities to radar Simulink models
- Researched and analyzed radar signals
- Generated unit tests for C++ Mex S-Functions
- Developed GUIs to illustrate radar functionality
- Managed office's social committee events

## STRENGTHS

MATLAB & Simulink  
Modeling & Simulation  
GUI Development  
Signal Processing  
Telecommunications  
Project Planning  
Version Control  
V-Model  
CANoe & CANape  
Python Scripting  
Networking  
ECUs  
Microcontrollers  
C Programming

## EDUCATION

M.S., Electrical Engineering  
Wright State University  
Dayton, OH  
2017-2018

B.S., Electrical Engineering  
Wright State University  
Dayton, OH  
2013-2017

## HOBBIES

Traveling  
Pickle Ball  
Social events  
Chess  
Graphic design