



# CODY PALMER

Electrical Engineer



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www.palmer.work



palmerco

“ Interactive, Planner, Leader, Imaginative, Ambitious ”

## EXPERIENCE

### BWI Group North America Inc

*Systems Test Engineer*

Dayton, OH

Mar. 2022 – Present

- **Claim to fame:** implementing regression testing with version control
- Develop and execute logical tests for sub-system level requirements
- Maintain and debug software tools for the Hardware-In-the-Loop (HIL) system
- Document test results within requirement tracking software
- Support algorithm team with unit testing and design features within MATLAB

### Northrop Grumman

*Principal Systems Engineer*

Redondo Beach, CA

Nov. 2020 – Nov. 2021

- **Claim to fame:** programming scripts to replace time-consuming processes
- Developed BER curve simulations for communication systems
- Computed RF requirement capabilities, margins, and compliance
- Implemented system engineering V-Model for a large set of requirements
- Wrote requirement verification documents
- Co-lead 2021 Summer Interns assignments

### Dynetics – A Lidos Company

*Electrical Engineer II*

Dayton, OH

Dec. 2017 – Aug. 2020

- **Claim to fame:** adding new capabilities to radar models in MATLAB
- Project manager for TMAP technical support tasks
- Project manager and developer for a signals analysis task
- Performed research and analysis of EW platforms
- Added advanced functionality to a MATLAB/Simulink radar scan GUI
- Generated unit tests for C++ Mex S-Functions
- Managed office's social committee events

### Air Force Institute of Technology

*Electrical Engineer Intern*

Dayton, OH

Nov. 2015 – Dec. 2017

- **Claim to fame:** coding PSK and QAM modems in MATLAB
- Studied signal processing techniques with software defined radios (SDRs)
- Documented SDR research and processes using LaTeX

## EDUCATION

### Wright State University

*M.S., Electrical Engineering | GPA 4.0*

Dayton, OH

Aug. 2016 – Apr. 2018

### Wright State University

*B.S., Electrical Engineering | GPA 3.82 | Honors Scholar*

Dayton, OH

Aug. 2013 – Apr. 2017

## TECHNICAL STRENGTHS

MATLAB	8 Yrs
Signal Processing	6 Yrs
Radar Theory	6 Yrs
Telecommunications	6 Yrs
SVN/Git	5 Yrs
Modeling/Simulation	4 Yrs
PowerPoint Diagrams	4 Yrs
Python	1 Yr
DOORS	1 Yr
Cradle	6 Mos
LaTeX	2 Yrs
Microsoft Excel	8 Yrs
QT GUI	1 Yr
Networking (TCP/IP)	1 Yr
HTML/CSS	1 Yr
Linux OS	1 Yr
Vector CANoe	6 Mos
Vector CANape	6 Mos
Vector vTESTstudio	6 Mos

## INTERESTS

Chess  
Graphic Design  
Signal Processing  
Social Events  
Running  
Apex Legends