



CODY PALMER

Systems Engineer



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www.palmer.work



palmerco

“ Accomplished engineer recognized for excellent communication skills, adept leadership, attention to detail, and proven ability to manage simultaneous tasks.

EXPERIENCE

BWI Group North America Inc

Verification Lead Engineer – Control Algorithms

Dayton, OH

Jun. 2023 – Present

- **Claim to fame:** develop Model-In-the-Loop (MIL) Simulink test benches to efficiently verify algorithm changes before releasing to customers
- Develop and fix control algorithm logic to meet customer requirements
- Train new employees on HIL system and processes
- Meet with customers to assess ongoing product development, explore future opportunities, and actively promote sales growth

Systems Test Engineer

- **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)
- Document test results within requirement tracking software

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

TECHNICAL STRENGTHS

MATLAB	10+ Yrs
Microsoft Excel	10+ Yrs
Signal Processing	6 Yrs
PowerPoint	10+ Yrs
Modeling/Simulation	6 Yrs
Subversion	6 Yrs
DOORS	1 Yr
Cradle	2 Yrs
LaTeX	2 Yrs
Python	1 Yr
QT GUI	1 Yr
Networking (TCP/IP)	1 Yr
HTML/CSS	1 Yr
Linux OS	1 Yr

INTERESTS

Traveling
Running
Social events
Chess
Graphic design

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 Degree

Dayton, OH

Aug. 2013 – Apr. 2017