# Cody **Palmer**

ELECTRICAL ENGINEER

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## Experience

**Northrop Grumman - Space Park**                      *Redondo Beach, California*
*Principal Systems Engineer (US Citizen cleared up to TS/SCI)*          *Nov. 2020 - PRESENT*
- **Claim to fame:** programming MATLAB tools that replace time consuming processes
- Requirements vs capability lead
- Analyze and modify requirement verification documents
- Debug existing Excel VBA and MATLAB scripts
- Introduced version control software for file management

**Dynetics - A Ledios Company**                             *Dayton, Ohio*
*Electrical Engineer II*                                *Dec. 2017 - Aug. 2020*
- **Claim to fame:** adding new capabilities to radar models in MATLAB and Simulink
- 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
- Interfaced air-to-surface capabilities into a Simulink model
- Managed office's social committee events

**Air Force Institute of Technology (AFIT)**                    *WPAFB, Ohio*
*Electrical Engineering Intern*                            *Nov. 2015 - Dec. 2017*
- **Claim to fame:** coding M-Ary PSK and M-QAM modems in MATLAB
- Integrated DSSS and CDMA techniques into modems in MATLAB
- Studied the effects of radio frequency fingerprinting discrimination algorithms on software defined radios
- Wrote reports in LaTex regarding communication research

**PACSUN**                                          *Dayton, Ohio*
*Assistant Manager*                                    *Jun. 2013 - Dec. 2016*
- **Claim to fame:** district employee of the month
- Responsible for reaching sales goals, team building, and customer experience
- Constructed floor-sets and assembled fixtures

## Technical Strengths

8 Yrs   **MATLAB (OOP)** – coding algorithms for radar systems, comm systems, data trending, and interfacing programs
3 Yrs   **Simulink** – modeling high fidelity radar systems, embedded MATLAB, and s-functions
3 Yrs   **C & C++14** – coding mex functions, DLL wrappers, and QT-based GUIs
3 Yrs   **TortoiseSVN** – version control tool

## Education

**Wright State University**                                *Dayton, Ohio*
*M.S., Electrical Engineering*                            *Aug. 2017 - Apr. 2018*
- Signal processing and communications track
- Combined B.S./M.S. degree program
- GPA: 4.0

**Wright State University**                                *Dayton, Ohio*
*B.S., Electrical Engineering*                            *Aug. 2013 - Apr. 2017*
- Senior Design Project: UAV Automated Detection system
- General Studies Honors
- GPA: 3.82