

# 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 to 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, UI development, and data trending
- 1 Yrs **Python 3** – interfacing Excel applications and UI development
- 3 Yrs **C & C++** – coding mex functions, DLL wrappers, and QT-based GUIs
- 3 Yrs **TortoiseSVN** – implementing version control software
- 3 Yrs **Simulink** – modeling high fidelity radar systems, embedded MATLAB, and s-functions
- 1 Yrs **HTML/CSS** – personal website development

## 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