

# Cody Palmer

ELECTRICAL ENGINEER

☎ (1) 937-708-6147 | ✉ cody@palmer.engineering | 🏠 www.palmer.engineering | 📱 palmerco

## Experience

---

### Dynetics Inc.

Dayton, Ohio

ELECTRICAL ENGINEER II (INTERIM TOP SECRET CLEARANCE)

Dec. 2017 - PRESENT

- Project Manager for technical support tasks, which commonly involve adding new functionality to existing models or tools
- Integrated sine-space capabilities into a C++ Mex S-Function
- Uplifted several ground-based radar systems to new standard in Simulink
- Added air-to-surface modes to existing air-to-air Simulink radar model

### Air Force Institute of Technology (AFIT)

WPAFB, Ohio

ELECTRICAL ENGINEERING INTERN

Nov. 2015 - Dec. 2017

- Coded M-Ary PSK and M-QAM modems in MATLAB
- Studied the effects of Radio Frequency fingerprinting discrimination algorithms on software defined radios
- Wrote reports in LaTeX regarding communication research

## Technical Strenths

---

- 7 Yrs **MATLAB**, coding various algorithms for systems, controllers, MODEMS, etc.
- 2 Yrs **Simulink**, modeling high fidelity systems
- 2 Yrs **C & C++14**, coding mex functions that interface with MATLAB
- 2 Yrs **VHDL & Verilog**, coding real-time FFTs and ALUs

## 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