

Cody Palmer

ELECTRICAL ENGINEER

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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
- Primary programmer that integrated sine-space capabilities into a C++ Mex S-Function
- Uplifted several ground-based radar systems in Simulink to new standard
- 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