

Cody Palmer

ELECTRICAL ENGINEER

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Experience

Dynetics Inc.

Dayton, Ohio

Electrical Engineer II (US Citizen cleared up to TS/SCI)

Dec. 2017 - PRESENT

- Project manager for technical support tasks, which commonly involve adding new functionality to existing models or tools
- Project manager and developer for a SIGINT related task
- Performs research and analysis of EW platforms
- Added advanced functionality to a MATLAB/Simulink radar scan viewing tool
- Integrated sine-space capabilities into a C++ Mex S-Function
- Uplifted several ground-based radar systems to new standards in Simulink
- Added air-to-surface modes to existing air-to-air Simulink radar model
- Manages office's social committee events

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
- Integrated DSSS and CDMA techniques to modems
- 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

- Responsible for reaching sales goals, team building, and customer experience
- Constructed floor-sets and assembled fixtures

Technical Strengths

- 7 Yrs **MATLAB** – coding algorithms for radar systems, communication systems, and object-orientated tasks
- 2 Yrs **Simulink** – modeling high fidelity radar systems, embedded MATLAB, and s-functions
- 2 Yrs **C & C++14** – coding mex functions, DLL wrappers, and QT-based GUIs
- 2 Yrs **VHDL & Verilog** – coding ALUs and FFT butterflies

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

Honors & Awards

ACADEMIC

- 2018 **Master's Degree** – one of 16 graduate students to finish at the age of 22
- 2017 **Tau Beta Pi** – joined engineering honor society
- 2017 **Senior Design Project** – invited to present our design and prototype to Leidos

Dayton, Ohio

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WORKPLACE

- 2018 **Honorary Notice** – section manager pointed out my exceptional work under stressful circumstances
- 2014 **District Employee of the Month** – appointed by PACSUN's district manager

Dayton, Ohio

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