Robert A. Donatto **U.S. Citizen/TS Clearance**

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OBJECTIVE: Obtain position as an RF Engineer within the Defense or Aerospace Industry.

EDUCATION: **University of South Florida, Tampa, Florida** **Cumulative GPA: 3.20**
Bachelor of Science in Electrical Engineering **Graduation date: December 2012**

University of Oklahoma, Norman, Oklahoma **Cumulative GPA: 3.00**
Masters in Electrical and Computer Engineering **Graduation date: Summer 2016**

SOFTWARE SUMMARY: MATLAB, FEKO, HFSS, AWR, MATHCAD, ADS, Lab VIEW

EXPERIENCE:

University of Oklahoma, Norman, OK, Advanced Radar Research Lab (ARRC)
Researcher (August 2014-Present)

- Researching conformable antennas which will soon replace DoD whip antennas for military personal and vehicles
- Developing ruggedized feeding and grounding for slot antennas

Tinker Air Force Base, Oklahoma City, OK
Electronics Engineer (July 2013-August 2014)

- Researched innovative ways to calculate RCS on stealth aircraft
- Processed radar data for pilot navigation system

University of South Florida, Tampa, FL, Center for Wireless and Microwave Information Systems (WAMI)
Engineering Intern (January 2011- December 2012)

- Investigated alternative ways to produce reliable and inexpensive integrated circuits.
- Developed and designed a 3-D printed antenna then implement antennas with RFID tag to transmit data to RFID reader.
- Researched total power radiometer to detect possible heat related disorders.
- Worked on data analysis on radiometer project by converting from MathCAD to MATLAB for user friendly control.
- Completed automated signal processing for microcontroller.

Tandel Systems, Oldsmar, FL
Co-Op Engineer (December 2011 –June 2012)

- Reviewed and corrected redline drawings for company using various CAD software such as AutoCAD and Draftsight
- Verified marketing requirements for compani*es* such as Honeywell and NASA in timely manner while communicating with co-workers efficiently

Northeastern University, Boston, MA
DHS Engineering Intern (May 2011 –August 2011)

- Worked on the Advanced Imaging Technology (AIT) project during U.S. Department of Homeland Security funded internship.
- Designed and constructed 360 degree rotational multi-static x-ray gantry for millimeter airport scans of concealed body-worn explosives.

University of South Florida, Tampa, FL, Department of Computer Science and Engineering
Computer Science Intern (January 2011- December 2011)

- Worked on the development of a location simulation device using programs such as C++ and Java.
- Helped code LoPSiL, a language for specifying location-dependent security and privacy policies, for cellular devices.

PROFESSIONAL PRESENTATIONS:

- *The Design of an RFID Antenna and Creating a System Capable of Printing Conformal Antennas,* Senior Design Day, USF Department of Electrical Engineering, November 2012.
- *Development and Design of Printed Electronics with Focus on RFID Systems for Transmissions of Data and Impedance Variance Sensors,* North Carolina LSAMP Research Conference, Greensboro, NC, September 21, 2012.
- *Development and Design of Printed Electronics with Focus on RFID Systems for Transmissions of Data and Impedance Variance Sensors,* USF 3rd Annual NSF 3rd Annual REU Day, Tampa, FL, August 1, 2012.
- *Automated Signal Processing for Data Obtained from Core Body Temperature Measurements,* Great Minds in STEM/HENNAC, Walt Disney World, October 6-8, 2011.
- *Standoff Radar Detection of Concealed Body-Worn Explosives,* Northeastern University DHS Center of Excellence REU Day, Boston, MA, August 2011.
- *LoPSiL: A Location-based Policy-Specification Language*, Florida Georgia LSAMP Expo, Tampa, FL, February 27-28, 2010.

PROFESSONAL AFFILIATIONS:

- Oklahoma Army National Guard — Officer Candidate
- Electrical and Computer Engineer Graduate Student Society (ECE GSS) — Secretary
- Tinker Leadership for Engineers and Scientist Association (TESLA) — Member
- USF National Society of Black Engineers (NSBE) — Member
- Institute of Electrical and Electronics Engineers (IEEE) — Member
- Florida Georgia Louis Stokes Alliance for Minority Participation (FGLSAMP) — Member

AWARDS/HONORS:

- LSAMP Bridge to Doctorate Fellowship
- US Air Force Palace Acquire Fellowship
- 1st place, Best Poster (Engineering Category), NSF North Carolina LSAMP Conference
- 1st place electrical engineering senior design poster contest, USF
- 2nd place research for undergrads poster contest, USF
- U.S. Department of Homeland Security Undergraduate Scholarship
- General Dynamics Olin Ordnance & Tactical Scholarship
- Military Officers Association of America Scholarship