N. Cameron Matson

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EDUCATION: **Southern Methodist University, Lyle School of Engineering,** Dallas, TX   Grad Date**:** May 2018
Bachelor of Science in Electrical Engineering   GPA: 3.95
Minor in Computer Science

Dedman College of Humanities and Sciences   Grad Date: May 2018
Bachelor of Science in Mathematics   GPA: 4.0

Meadows College of the Arts   Grad Date: May 2017
Bachelor of Arts in Music   GPA: 3.93

University College, Oxford University, Oxford, England (SMU study abroad program)   Summer 2014

COURSES: Data Structures, Mobile Phone Embedded Design, Microcontroller & Embedded System Architecture, Digital Computer Logic, Discrete Signal Processing, Circuit Analysis, Electronic Circuits, Electricity and Magnetism, Scientific Computing, Statistics for Engineering, Linear Algebra, Calculus I, II, III

SKILLS: Technical: C++, C, MatLab, Java, Python, SQL, Assembly (ARM), Android, VEE, Linux, UNIX, MS Windows/Office
Tools: IDE's: Eclipse, Qt Creator, Android Studio

EXPERIENCE:
SMU Department of Electrical Engineering, *Undergraduate Research Assistant*   January 2016 - present
- Assisting in early stages of joint research between EE and Civil Engineering departments regarding applications of the Digital Short Range Communication (DSRC) protocol and Vehicle to Vehicle (V2V) communication

L-3 Communications – Mission Integration Division, *EE Co-op*   June – December 2015, July-August 2016
- Responsible for designing and implementing functional test of military black box units
- Use lab equipment to check out, troubleshoot, and debug various units
- **I currently hold a U.S. Secret Clearance as a result from my work at L-3.**

SMU Residence Life and Student Housing, *Residence Assistant*   Fall 2014 - present
- Oversee 30 residents and serve as a link between them and SMU to create a living learning community
- Perform administrative tasks such as educational and social program planning, correspondence, hall maintenance
- Resolve resident conflict and interact with proper SMU channels to provide resources

Matson Inc. (General Contractors), *Laborer*   Summer 2013, '14

ACADEMIC PROJECTS:
- Implemented a floating point signal processor to perform demodulation, convolution, and decoding of a signal using ARM
- Created a search engine with XML document parsing, Boolean querying, term frequency-inverse document frequency relevancy ranking, and a persistent inverted file index
- Developed an Android application to sample and process vibrations to be used in part of a research project that leverages crowd sourcing to detect and characterize frequency responses of bridges

ACTIVITIES: Tau Beta Pi, Engineers without Borders, Lyle Ambassador, Tunes for Texas
AWARDS: Eagle Scout, SMU Second Century Scholar, Engineering Fellows Scholar
INTERESTS Building PCs, RC planes/drones, Arduino, Saxophone, piano, soccer, camping, hiking, scuba diving