

## **Thomas Mauldin**

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### EDUCATION:

#### **THE UNIVERSITY OF RHODE ISLAND – BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**

Graduated in May 2018

Beginning graduate school in September 2018 pursuing a Master's Degree in Electrical Engineering

Cumulative GPA: 3.98/4.00      Engineering GPA: 4.00/4.00

#### **COMMUNITY COLLEGE OF RHODE ISLAND - ASSOCIATES IN SCIENCE IN ENGINEERING**

Graduated in May 2016 with a grade point average of 3.72/4.00

### TECHNICAL EXPERTISE:

**Software:**                      Microsoft word, Excel, Visio, PowerPoint, Visual Studio, Vivado, OrCAD, PSpice  
MATLAB, DOORS, SDK

**Languages:**                      C, C++, Visual Basic, VHDL, Verilog, Swift

**Security Clearance:**              Secret

**Certifications and Awards:**      OSHA construction safety training, URI Transfer Merit Scholarship, Toray Plastics  
Scholarship, Nelson C. White Excellence in Engineering Award

### SKILLS AND ABILITIES:

- Electronic Component design
- FPGA development
- Software development
- System interface development
- Design specification development
- Requirements development and management
- Power distribution design
- Test procedure development
- Circuit analysis
- Computer Technology
- Carpentry
- Basic Welding

### SENIOR CAPSTONE DESIGN PROJECT:

#### **PORTABLE WAVEFORM GENERATOR – SPONSOR: ASTRONOVA, INC., West Warwick, RI**

Two semester project to design a portable waveform generator to demonstrate data acquisition systems. Worked on digital circuit design, power system design, and software development.

### PROFESSIONAL EXPERIENCE:

#### **TEACHING ASSISTANT, UNIVERSITY OF RHODE ISLAND, Kingston, RI**

May 2018 – Present

Worked on modifying the Electronics course structure and assisting students

#### **RESEARCH ASSISTANT, URI NEXT GENERATION SENSING TECHNOLOGY LAB, Kingston, RI**

January 2018 – Present

Gained experience with fiber optic sensing, circuit design, FPGA design, and control systems

#### **ELECTRICAL ENGINEERING INTERN, ELECTRIC BOAT CORPORATION, New London, CT**

Summer 2015 - 2017, Winter 2018

Assigned to the fly-by-wire ship control group for the Columbia class submarine. Worked on creating wiring schematics, designing circuit boards, testing software, and resolving electronics obsolescence. Served as the lead engineer for the development of an interface control document for a highly complex shipboard electronic system. In addition, completed several projects as part of a team of engineers.