

RASSOUL DIOUF

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<p>EDUCATION</p>	<p>University of Rhode Island, Kingston, RI Bachelor's Degree in Electrical Engineering May 2017 3.60 GPA NSBE Collegiate Member IEEE member Dean's List</p> <p>Capstone: Design of a Low-Cost HMI</p> <ul style="list-style-type: none"> Responsible for implementing audio for voice input and audio playback Responsible for implementing and testing sensors, as well as writing applications to report readings Responsible for implementing NFC/RFID feature
<p>PROJECTS</p>	<ul style="list-style-type: none"> TRON game: Game implemented on an FPGA using VHDL Bluetooth-Controlled Robotic Arm: 3D printed arm programmed with Arduino to mimic predefined gestures Motion-Controlled Robotic Arm Implementation of hand-motion control on 3D printed robotic arm Karaoke Project Processing of a sound file as a graduate-course project
<p>RELEVANT SKILLS</p>	<p>Experience in:</p> <ul style="list-style-type: none"> Matlab C/C++ VHDL TIMS Modeling System 3D printing Arduino Using PIC18 Soldering PSpice MS Office
<p>WORK EXPERIENCE</p>	<ul style="list-style-type: none"> Undergraduate Research Assistant <i>University of Rhode Island, Kingston, RI</i> <i>Fall 2016 - present</i> <ul style="list-style-type: none"> Assisting in the design of a digital circuit interface for an AD/DA converter using an FPGA Science & Engineering Fellows Program <i>University of Rhode Island, Kingston, RI</i> <i>Summer 2016</i> <ul style="list-style-type: none"> Worked on robotic-arm project Took part in professional-development workshops Took part in the URI Summer Engineering Academy, helping in teaching basic engineering principles to 12 high-school students Student Communications-Assistant for COMFISH project <i>Coastal Resources Center (URI, GSO), Kinston, RI</i> <i>Fall 2015-Winter 2016</i> <ul style="list-style-type: none"> Documented articles related to project Did translation between English and French Para-professional tutor <i>Community College of Rhode Island, Warwick, RI</i> <i>Summer 2015</i> <ul style="list-style-type: none"> Assisted students in math Help students develop better study habits Peer tutor <i>Community College of Rhode Island, Warwick, RI</i> <i>Fall 2014 - Spring 2015</i> <ul style="list-style-type: none"> Assisted Students in math, physics, French and circuit theory Helped students develop better organization and study skills