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| **Name** | Phone number email@email.com |

**Skills**

Proficient: C#.NET, LabVIEW, Microsoft Office, Multimeter, Oscilloscope

Familiar: Arduino, Assembly, C, Fortran, GitHub, I2C, Java, MATLAB, ModelSim, Python, Quartus, RS232, VHDL

**Work Experience**

**Startup,** Town, State June 2019 – June 2020

Engineering Technician

* Communicated with members of different groups to identify issues with testing procedures and perform tests to eliminate potential sources of error
* Tested electrical components for incoming quality assurance
* Tested mixed signal devices to ensure functionality and adjusting parameters to obtain functionality or improve performance

**University Lab**, Town, State August 2018 – May 2020

Graduate Research Assistant

* Updated and maintained previously written LabVIEW software for automation of a single optical trapping system
* Continued design and development of updated software, written in LabVIEW, for automation of a dual optical trapping system
* Updated and maintained inventory of optical components for the research lab

**Projects**

Title: **5 digit 7-Segment Stopwatch**

Technologies: VHDL, GitHub, RTL Viewer, Quartus, ModelSim

Purpose:

* Re-iterate and expand on knowledge of VHDL, Quartus, and ModelSim
* Learn GitHub and develop a basic understanding of version control
* The stopwatch consists of five seven-segment displays to display time down to milliseconds

Title: **Arduino Uno shield PCB**

Technologies: KiCAD, Arduino

Purpose:

* Learn about PCB design and PCB CAD programs (KiCAD for this project). Learned about schematic capture, bill-of-materials, PCB Layout, and board ordering.
* Designed an attachment for an Arduino uno to use the Arduino as a stopwatch or kitchen timer.

Title: **Traffic Light**

Technologies: VHDL, Quartus, Finite State Machine

Purpose:

* Used VHDL to implement a finite state machine to control a simplified traffic light
* Used two inputs to enter one of three operational modes (normal, emergency, and night)

**Education**

**Graduate University**, Town, State August 2018 - May 2020

Master of Science in Engineering Physics

GPA: 3.83

**Undergrad University**, Town, State August 2014 - May 2018

Bachelor of Science in Physics

Minor in Biology, Chemistry, and Mathematics

**Certifications**

* Certified LabVIEW Associate Developer (until April 2021)