**Ridhwaan Rahman**

❿ Plano, Texas 75025 ☏ 469.236.8664  ridhwaan.rahman99@gmail.com

**Objective**

Highly motivated, dedicated, and analytical professional, seeking a position to effectively utilize acquired knowledge of electrical engineering honed from strong educational foundation and research background.Utilized outstanding communication and interpersonal skills in building working relationships with colleagues and other professionals. Working knowledge and application of Waterfall Model. Solid problem solving and time management skills. Looking for full-time employment in an engineering field. Available immediately. Born and raised in Texas.

**Professional Skills**

**Engineering Fundamentals**

* Understand and perform verification evaluations and analysis of safety software requirements, design, and coding.

**Problem-Solving and Analytical Skills**

* Exemplified adeptness in formulating strategic solutions to complex situations by keenly evaluating issues and problems.

**Project Development**

* Guidance and tracking of software development through the V&V life cycle. Preparation of reports for each V&V life cycle task describing the V&V task performed and the conclusions of the task and create the overall summary report summarizing all V&V tasks completed including tasks that were performed by others.

**Group Collaboration and Teamwork**

* Collaborate with a multi-discipline team to define the requirements interfaces between hardware components, microcontrollers and software, and the operational performance requirements of the integrated system.

**Technical Acumen**

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| --- | --- |
| Analysis Tools | MATLAB | LabView | PSpice | Xilinx | IntelliJ | Visual Studio| PyCharm| Hortonworks |
| Lab Tools | Signal Sources | Oscilloscopes | Spectrum Analyzers |
| Operating Systems | Windows 10 Professional | MAC | Linux |
| Software Applications  Programming Languages | Microsoft Office Suite | LaTeX | PopSQL | Flume | Kafka | Github | Hadoop | Hive | Hbase  Java | Python | Verilog | SQL | PySpark | Scala | Spark | MongoDB | SparkSQL |

**Work Experience**

**Consultadd Inc., Irving, TX** Mar 2020–current

*Python Developer*

**University of Arkansas at Little Rock, Engineering Systems & Sciences, Little Rock, AR** Aug 2017–May 2019

*Graduate Researcher and Teaching Assistant*

**Doosan HF Controls, Carrollton, TX** Nov 2016–July 2017

*Verification and Validation Engineer*

* Run the prototype control system boards on a power supply rack and test the failsafe mechanisms on the boards based on customer requirements.
* Verify and update if specific components on the boards were highly flammable or not. Search for each component's data sheet and record the UL 94 V rating.
* File technical condition reports to managers in the event of fundamentally changing the circuitry.
* Submit evaluations and test results to the customer upon request.

**University of Texas at Dallas, Energy Storage Systems Laboratory, Richardson, TX** May 2014–Dec 2015

*Undergraduate and Graduate Researcher*

* PID controlled Thermal Management System via Raspberry Pi and Multiple Temperature sensors: 2014
* Teleoperated Garment Accelerator (T-Shirt Cannon Robot) Senior Design Project: 2015
* Charging a string of lithium ion batteries through charge shunting and a switching matrix: 2015

**Education**

**Master of Science in Electrical Engineering:** *The University of Texas at Dallas* May 2016

**Bachelor of Science in Electrical Engineering:** *The University of Texas at Dallas* May 2015

MAGNA CUM LAUDE | COLLEGIUM V HONORS|DEAN’S LIST HONOREE (FIVE SEMESTERS) |ACADEMIC DISTINCTION SCHOLAR

**Relevant Coursework**

Differential Equations, Electric Network Analysis, Digital Circuits, System and Controls, Electromagnetic Engineering, Digital Communication Systems, Electronic Circuits, Linear and Nonlinear Systems, Random Processes, Digital Signal Processing, Analog Circuit Design and Analysis, Dynamics of Complex Networks and Systems, Numerical Analysis, Machine Learning, Artificial Intelligence, Control Optimization