

# Krishna Lella

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## WORK EXPERIENCE

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### Virgin Galactic

*Avionics & Electrical Engineer*

**May 2018 – Present**

*Mojave, CA – Truth or Consequences, NM*

- Acted as avionics subject matter expert for the flight test program of experimental aircraft and spacecraft – WhiteKnightTwo and SpaceShipTwo
- Managed entire avionics mission workflow including pre-flight, mission control console operation, post-flight and data reduction and analysis
- Implemented a payload power system for suborbital research in collaboration with NASA's Flight Opportunity Program culminating in the launch of 8 NASA payloads, garnering interest from the Italian Air Force
- Increased the efficiency of software integration testing by 50% resulting in quicker software release cycles
- Worked closely with maintenance personnel to design and implement numerous modifications to the vehicles
- Provided and mentored avionics summer interns in several projects to cultivate an engaging environment
- Acquired extensive knowledge in the processes, workflows and documentation required to maintain aircraft

### AT&T Inc.

*Data Science Intern*

**Summer 2017**

*Dallas, TX*

- Optimized nationwide technician dispatch process
- Analyzed billions of data points to model and predict work load
- Wrote R scripts to pull, process and filter data
- Developed a prototype model to improve dispatch estimates by 32-90%

### National Aeronautics and Space Administration (NASA)

*International Space Station Training & Simulation Development Intern*

**Spring 2017**

*Huntsville, AL*

- Improved training of ISS console operators
- Completed Payload Academy training process along with other console operators
- Collaborated with Payload Developers to create and maintain training courseware
- Worked in a collegiate team to design a solid rocket

### Dynetics Inc.

*Product Engineering Intern*

**Summer 2016**

*Huntsville, AL*

- Manufactured and tested wire harness designs for production
- Collaborated designs with coworkers using Agile PLM
- Created a test port GUI in Python for a solid-state power amplifier

## EDUCATION

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### Missouri University of Science and Technology

*B.S. Electrical Engineering (3.754/4.000 GPA)*

**May 2018**

*Rolla, MO*

- Minors – Computer Engineering, Mathematics
- Involvement – IEEE, Mars Rover Design Team, Solar House Design Team, Delta Sigma Phi

## SKILLS & INTERESTS

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### • Skills:

Circuit Design – Schematic Layout, Component Selection, Redundancy & Fault Isolation, System Testing  
Equipment – Oscilloscope, DMM, Power Supply, Soldering, Spectrum Analyzer, RF Transmitter & Receiver  
Programming – MATLAB, Python, R, LabVIEW, VHDL, HTML/CSS/JavaScript  
Instrumentation – Component Installation, Calibration & Verification, Data Acquisition & Processing

- **Interests:** Tennis, Space, Reading, Gaming, Astronomy, Photography, Food