

# David Story

## PROFILE

Electrical Engineering student with interest in physical electronics, intelligent systems, and computational science. My main focus is research and development of hardware development for manned and unmanned spaceflight.

## EDUCATION

### **Casa Grande High School**

Petaluma, CA

Graduated 2016 with seal of biliteracy in Spanish

### **Bachelor of Science in Electrical Engineering, Minor in Computer Science**

Sonoma State University

Expected Graduation 2020

Cumulative GPA: 3.84

## EXPERIENCE

### **NASA Johnson Space Center - Avionics Hardware Design, Summer 2018**

**Houston, TX**

Electrical Engineering Intern

- Designed schematics and PCB layout for high-speed, flight qualified Ethernet boards
- Worked with Altium designer to design hardware, and worked with part vendors to verify design requirements
- Researched materials and board layouts for optimal used in irradiated environments

### **Sonoma State University - EdgeCube 1U CubeSat, December 2016 - Current**

**Rohnert Park, CA**

Student Research Assistant

- Work with team to develop, test, and create hardware and software for microsatellite sensor payload. Mission is to analyze IR light reflected by forests from LEO. Launching late 2018
- Designed circuit and software for in-flight angle sensor array using multi-slit diffraction.
- Assisted in development of other flight sensor systems PCB design.

### **Mission Engineering, December 2016 - June 2018**

**Petaluma, CA**

Electrical Engineering Technician

- Product assembly and compliance testing.
- Development of electrical testing equipment for assembly team.
- Assisting in the design, debugging, and implementation of new products, specifically digital and high voltage vacuum tube guitar amplifiers, power supplies, and analog expression pedals.

## VOLUNTEER WORK

### **Robert Ferguson Observatory, April 2016 – Current**

**Kenwood, CA**

- Teaching astronomy to public viewers, as well as giving guided tours of the night sky using CCD imaging telescopes and visual telescopes.