

# John Roma (J.R.) Skok, PhD

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## **CAREER SUMMARY**

- Program Management for Remote Sensing Collection Campaigns for Business, Safety and Legal Compliance
- Remote data (LIDAR, Imaging, Spectral) acquisition, calibration and analysis
- Software development and data analysis for business and governmental projects
- Managed international research team on NASA funded projects
- Space exploration, earth science and vegetation content matter expert

## **WORK EXPERIENCE**

### **Pacific Gas and Electric (PG&E), California —**

#### **Expert Remote Sensing Program Manager**

July 2020 - PRESENT

- Lead remote sensing collection and planning activities for Vegetation Management (VM).
- Transformed Remote Sensing Intelligence into Operational Workflows

### **SETI Institute, Mountain View, CA — *Principal Investigator***

September 2014 - July 2020

- Awarded over \$1 million in competitive NASA research grants
- Designed & Managed multiple international NASA-funded scientific expeditions with interdisciplinary teams

### **AstroReality, Cupertino, CA — *Chief Science Officer***

March 2018 - July 2020

- Managed science content development for VC backed Augmented Reality (AR) EdTech company
- Coordinated Physical/Digital Product Development and Quality Assurance for 10+ products and 3 Mobile Applications

### **Louisiana State University, Baton Rouge, LA —**

#### ***Postdoctoral Researcher-Adjunct Professor***

January 2013 - September 2014 - February 2019

- Managed geological science research in collaboration with multiple NASA teams

## **EDUCATION**

### **Brown University, Providence, RI — *MS, PhD***

September 2007 - June 2012

- Geological/Planetary Sciences Major
- Research focus on remote sensing spectroscopy of Mars
- First remote detection of martian hot spring deposit

### **Cornell University, Ithaca, NY — *BS***

September 2003 - June 2007

- Geological Sciences Major
- NASA MER PANCAM Camera Team Member and software developer
- NASA Marshall Internship Summer 2006, 2007

## **MAJOR PROJECTS**

PG&E VM Ground Based LIDAR Program Standup

PG&E VM Distribution LIDAR Detection

NASA Mars Rover PANCAM Camera Team Member

NASA CRISM Instrument Team Member

NASA MVP Analog Rover Camera Lead

NASA BRAILLE Analog Rover Scientist

Made of Mars, Sustainable Materials Manufacturing

## **PROFESSIONAL SKILLS (Years)**

IDL/ENVI Programming (15)

GIS Analytics (13)

Spectroscopy (13)

Satellite Image Analysis (13)

Science Education (11)

Grant Writing/Management (8)

Program Management (5)

LIDAR Collection/Analysis (1)

Vegetation Management (1)

Python Programming (1)

## **AWARDS**

2015 NASA PSTAR Grant

2014 NASA MDAP Grant

2014 LaSPACE Grant

2010 Antarctic Service Medal