

# Philip Venturelli

Aerospace systems engineer with experience in infrared engineering

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## EXPERIENCE

### Redmoon Systems, Bethesda, MD — CTO

2018 - PRESENT

Developed technologies for moon and mars remote sensing missions including resident space object tracking and characterization using infrared systems engineering

### Stanford Mu Corporation, Long Beach, CA — Project Engineer

2015 - 2017

Served as company representative on site at the Boeing (Huntington Beach) during performance validation for the Commercial Crew Replacement Vehicle (Space Shuttle Successor)

### Raytheon, El Segundo, CA — Senior Systems Engineer

2004 - 2014

Performed validation and verification of critical requirements for multiple NASA missions involving infrared sensor technology. Served as cognizant engineer on several occasions.

## EDUCATION

### Caltech, Pasadena, CA — BS. Astronomy

2002

Thesis research in ultrasonic droplet formation for the Caltech Jet Propulsion Center

### UCLA, Los Angeles — Ph.D. ABD Computer Science

2008

Thesis research in astrophysics for modelling rotating black holes

## SKILLS

Skilled in Space Mission Design (Systems Toolkit, MATLAB)

Author of research papers and patents

- Modeling and Simulation (10+ years)
- Customer interface skills
- Leadership in an Engineering team as Chief Engineer
- Leadership as a Business Development Officer

## AWARDS

Nominated for the AIAA Space Systems Technology Committee (American Institute for Aerospace and Aviation)

Feynman Research Grant Recipient awarded jointly from Caltech and NASA

Three-time Research Fellowship Award Winner (Caltech)

## LANGUAGES

English, French, Spanish