

David Philip Larson

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Education

University of California, San Diego

Ph.D., Mechanical Engineering

- Advisor: Carlos F.M. Coimbra

2012–present

University of California, Merced

B.S., Mechanical Engineering

2008–2012

Citizenship: U.S.

Academic Research Experience

University of California, San Diego – Prof. Carlos Coimbra

Graduate Student Researcher

2012–present

- Investigating the application of Non-Integer Order Methods to Nonlinear Chaos Dynamics

University of California, Merced – Prof. Carlos Coimbra

Undergraduate Student Researcher

2009–2012

- Deployed high-fidelity irradiance and weather instrumentation at sites across CA and WA state
- Tested long term degradation of anti-dust glass coating for solar panels
- Analyzed animal flight data to determine underlying aerodynamic trends

University of California, Berkeley – Prof. Robert Dudley

Research Assistant

2012–present

- Investigated effects of turbulent air flow on hummingbird kinematics and metabolism
- Developed Particle Image Velocimetry (PIV) data analysis scripts for turbulent air flows

Professional Memberships

Technical Skillsets

Awards