PAUL KINTNER

(607) 316 - 6623 | kintner@uw.edu

QUALIFICATIONS

- Four years of experience and education in collecting, cleaning, processing, and analyzing large datasets to quantify and numerically model important parameters.
- Experience working with and leading teams to designing and completing projects accurately within deadlines then communicating and presenting projects to a multidisciplinary audience.
- Capacity to write technical papers and visualize data in reports and research papers.
- Proficiency with Python, MATLAB, R, Microsoft Office, and experience with HTML.
- Self-motivated, curious, and a quick learner.

EDUCATION

University of Washington, Seattle **September 2017**
M.S. Earth and Space Sciences **GPA 3.7**
Graduate Certificate in Astrobiology

- Distinguished Graduate Student Award, 2015.

University of Rochester **Spring 2013**
B.S. Mechanical Engineering, B.S. Physics and Astronomy **GPA 3.7**
Minor in Mathematics

- Sigma Pi Sigma (Physics Honor Society), 2011-2013.
- Take Five Scholar Award.
- ASME Pumpkin Launch Champion, October 2010, 2012, 2013.

RELEVANT EXPERIENCE

Mechanical Engineer **October 2017 - Present**
Catscapes

- Collaborative work with cat lovers to design novel shelving units in a fast-paced startup environment.
- Constructed CAD models and tested with FEA using Autodesk software.

Research Assistant/Graduate Student **September 2013 — September 2017**
University of Washington, Seattle

- Analyzed large datasets with MATLAB using data modeling techniques to further understanding of radio wave thermometry and habitability in extreme environments.
- Used GIS software to quantify and analyze datasets, identifying patterns with accuracy.
- Worked within a multidisciplinary engineering and science team to build an autonomous ice probe for access beneath glaciers. Directly responsible for stress testing components, communications, construction, numerical modeling, and helped to deploy the probe in the field
- Developed tools and machines to continually develop data products of tests and automate the detection of data trends.

Earth and Environmental Science Laboratory Assistant **June 2012 — August 2012**
University of Rochester

- Created and analyzed magnetization and locational data from billion-year-old rock cores and presented results to lab group.