

STEVE WARNER

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EXPERIENCE

Ridecell

Support Engineer

San Francisco, CA

1/2017 | Present

- Customer-facing point-of-contact for technical issues. Investigate and fix problems, daily customer syncs, coordinate with hardware partner, and go into the field to fix hardware when necessary.
- Write bug fixes for the backend (Python), one of which has saved users from being charged more than \$150,000 due to hardware limitations.
- Create dashboards, alerts, and charts, in (Splunk/SQL/Python), for both monitoring (how many times has a certain event happened in the last 10 minutes?) and analytics (calculate and map vehicle idle time throughout the city).
- Develop internal tools such as the Timeline tool which gathers events from multiple streams of data (Platform/Apache/Mixpanel) and generates a graphical, filterable, scrollable, timeline.

Dassault Systemes Simulia Corporation

Application Engineer

Johnston, RI

7/2010 | 12/2016

- Provided technical support for the Abaqus finite element software package. Issues ranged from basic modeling and analysis topics, to advanced customization and subroutines, to installation and licensing.
- Taught training courses (20+) on Abaqus (Intro., meshing, composites, etc.), both at customer sites and at SIMULIA HQ.
- On-site engineer at Proctor and Gamble. Coded Abaqus subroutines (FORTRAN and C++) to decrease job drop-test run times, reduce output database file sizes (by a factor of ~20x), and introduce a new custom factor-of-safety output variable.

NASA Langley Research Center

Langley Aerospace Research Student Scholar

Hampton, VA

5/2007 | 8/2007

- Automated sonic boom prediction for the Ares I-X prototype (MATLAB and FORTRAN).

EDUCATION

Rensselaer Polytechnic Institute

MS Mechanical Engineering

Troy, NY

2008 - 2009

Rensselaer Polytechnic Institute

BS Aeronautical Engineering

Troy, NY

2005 - 2009

SKILLS

Software: Splunk

Languages: Python, SQL, C++

PUBLICATIONS

H. Wang, S.J. Warner, M.A. Oehlschlaeger, R. Bounaceur, P.A. Glaude, and F. Battin-Leclerc, "An Experimental and Kinetic Modeling Study of the Autoignition of alpha-Methylnaphthalene/Air and alpha-Methylnaphthalene/n-Decane/Air Mixtures at Elevated Pressures", Combustion and Flame 157, 1976-1988 (2010).