

Karen Kepner

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Professional Highlights:

- Coding skills with HTML, CSS, JavaScript, Python and WordPress.
- Experience with test driven development using Mocha and Chai.
- Expertise with data analysis in Excel and administrator management of Sharepoint.
- Data analytics skills with R and Python.

Employment

REI Inc., Greenwood Village, Colorado Technical Specialist, 2016-2018

- Build and repair bicycles. Tune and repair skis and snowboards.

Aurora Fire Department, Aurora, Colorado Firefighter Paramedic, 2006- 2015

- Lead emergency medical services team of 4-10 people to deliver exceptional emergency medical care in high stress environments in a high call volume system.
- Analyze emergency response data to find solutions to improve fire department response performance and reliability.
- Built Sharepoint site for fire department with workflows that allow ordering and tracking for logistics of equipment ordering.

Nautilus, Inc., Broomfield, Colorado Product Design Engineer, 2005-2006

- Designed upright Bowflex Revolution fitness equipment using Pro-Engineer CAD to convert a current product into a 50% smaller platform footprint that still provides all the same exercises.

Nissan North America, Gardena, California Product Engineering, 2003-2004

- Analyzed warranty data to identify and prioritize investigation of claims to reduce warranty costs and improve customer satisfaction.

Rock Shox, Colorado Springs, Colorado Product Engineer, 2001-2002

- Utilized Pro-Engineer CAD with surfacing and FEA modules to design bicycle suspension components.

Ford Motor Company, Dearborn, Michigan Design & Dev. Engineer, 1995-1998

- Developed and tested automatic four-wheel drive systems for the Ford Expedition.

Education

Kettering University Flint, Michigan, 1995

Bachelor of Science in Mechanical Engineering, with a machine design specialty.

Co-op employment during college with Ford Motor Company, Automatic Transmission.

University of Colorado Boulder, Colorado 2015

Coursework toward Masters in Business Analytics.

Turing School of Software and Design Denver, Colorado 2017

Studied computer programming and web design including HTML, CSS, JavaScript, TDD, command line interface and Git.