

Nathaniel P. Wilkerson
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Objective: To obtain employment in mechanical or structural engineering.

Accreditations:

Professional Engineer (PE), Washington

License #: 49996/WA

12/2012

Professional Engineer (PE), Utah

License #: 8947414-2202/UT

2/2014

Skills:

- Extensive experience with SolidWorks, CATIA V5 and AutoCAD R12-2015 with Autolisp.
- -CAD/Math applications(ANSYS, COSMOS, Matlab, ALGOR, STAAD, RISA-2D).
- Codes: IBC 2012/2015, IRC 2012/2015, ASCE 7-10 ASME BTH 1-2011, AISC 360-10, AWC NDS 2012, AA ADM 1-2010, ANSI TPI 1-2007/2014.
- Experience in programming with C++, Perl, PHP, Html, MySQL.

Experience:

Structural Engineer

Residential structural engineering, design building and site plans per IBC and IRC2012, engineered utilizing ANSI TPI 1-2007 and ASCE 7-10. <http://design.medEEK.com>. Main/Aux Boom Design and FEA analysis of large scale knuckle boom cranes using SolidWorks and COSMOS.

Stress Engineer

Stress and structural analysis for aerospace tooling. Seismic and Structural analysis with STAAD. FEA analysis with ALGOR. Aerospace tooling design and drafting with Catia V5.

Project Engineer

Designer and engineering manager for Pt. Grenville site development Master site plans, Civil Plans.

Mechanical Engineer

Designed large gantry style carbon fiber tape laying machine for aerospace industry.

Employment:

Medeek Engineering Inc

Structural Engineer

05/2014 to Present

Pacifica Engineering Inc

Stress Engineer

9/2013 to 5/2014

Quinault Indian Nation

Project Engineer and Architect

6/2012 to 1/2013

Electroimpact Inc
Mechanical Engineer 10/2007 to 6/2012

Goodcrane Corporation
Structural Analyst& Head Engineer 2/2007 to 10/2007

Education:
B.S. Brigham Young University
Major- Mechanical Engineering
Minor-Math. Japanese

References: - Michael McGivney, Ocean Shores, Washington (360)-289-2754
- Joost Zeegers, Bellingham, Washington (360)-676-2659
- Mark Sigler, Montesano, Washington (360)-242-4222