

Nathaniel P. Wilkerson

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Objective: To obtain employment in an engineering or technology related field.

Accreditations: **Professional Engineer (PE)**, Washington
License #: 49996/WA
12/2012

Skills:

- Drawing Applications: SolidWorks, CATIA V5, AutoCAD R12- 2017 with Autolisp, SketchUp 2013-2018.
- CAD/Math applications: ANSYS, COSMOS, Matlab, ALGOR, STAAD, RISA-2D.
- Codes: IBC 2012/2015/2018, IRC 2012/2015/2018, ASCE 7-10, ACI 318-14, ASME BTH 1-2011, AISC 360-10, AWC NDS 2012, AA ADM 1-2010, ANSI TPI 1-2007/2014.
- Programming: C++, Perl, PHP, Html, MySQL, Ruby, SketchUp API.
- Experience managing and operating small businesses.
- Speak Japanese

Experience: **Structural Engineer** – Medeek Engineering Inc., Dec. 2012 – Present
Residential structural engineering, design of building and site plans per IBC and IRC2012/2015/2018, engineered utilizing ANSI TPI 1-2007 and ASCE 7-10/7-16. SketchUp API programming of plugins for residential designers and architects. <http://design.medeek.com>.

Stress Engineer – Pacifica Engineering Inc., Sept. 2013 – May 2014
Stress and structural analysis of aerospace tooling for Boeing and other manufacturers. Seismic and structural analysis with STAAD, FEA analysis with ALGOR. Aerospace tooling design and drafting with CATIA V5.

Project Engineer – Quinault Indian Nation, Jun. 2012 – Jan. 2013
Designer and engineering manager for Pt. Grenville site development Master site plans, Civil Plans, Building Plans, Landscaping, Fences with AutoCAD and SketchUp.

Mechanical Engineer – Electroimpact Inc., Oct. 2017 – Jun. 2012
Designed large gantry style carbon fiber tape laying machines for aerospace industry with SolidWorks and ANSYS.

Mechanical Engineer – Goodcrane Corp., Feb. 2007 – Oct. 2007
Main/Aux Boom Design and FEA analysis of large scale knuckle boom cranes using SolidWorks and COSMOS.

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

References:

- Joost Zeegers (Structural Engineer), Bellingham, WA (360)-676-2659
- Mark Sigler (Building Inspector III), Montesano, WA (360)-249-4222
- Andrew Purvis (Engineering Manager), Mukilteo, WA (425)-609-4924