

Joshua Holbrook

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Objective:

To be genuinely challenged in a meaningful position that requires the use of a wide variety of skills, from practical and aesthetic design to simulation to manufacturing.

Skills and Qualifications:

- Proficient with Microsoft Office suite and GNU/Linux; and experience with COMSOL Multiphysics
- Proficient with MATLAB and python/scipy; and experience with bash, C(++) and perl
- Certified LabVIEW Associate Developer

Education:

Master of Science in Mechanical Engineering
University of Alaska Fairbanks
Completed 15 Credit Hours
3.68 Current GPA

Sept. 2009 – Dec. 2010 (expected)

Bachelor of Science in Mechanical Engineering
University of Alaska Fairbanks
Minor in Mathematics
3.67 GPA

Aug. 2005 – May 2010

Employment History:

Research Assistant
UAF Institute of Northern Engineering, Fairbanks AK
Job duties include:

January 2010 –Present

- Designing and running finite element models using COMSOL and MATLAB
- Analyzing geographical information using perl, python, MATLAB and C++

Office Assistant
UAF Mechanical Engineering Department, Fairbanks AK
Job duties include:

January 2008 –December 2009

- Tracking purchase information on UAF's Oracle database and compiling it into a human-readable form
- Facilitating communication between students, faculty and system administration

Professor's Assistant
UAF Mechanical Engineering Department, Fairbanks AK
Job duties included:

September 2008 – December 2008

- Grading and correcting homework assignments for ES 331, "Mechanics of Materials"

Painter
UAF Conference Services, Fairbanks AK
Job duties included:

May 2008 – August 2008

- Patching, painting and wet-sanding walls, ceilings, doors and trim

Laboratory Assistant
UAF Water and Environmental Research Center, Fairbanks AK
Job duties included:

February 2007 – May 2007

- Taking inventory of chemical stock
- Tabulating, manipulating and organizing test data in Excel