

# Joshua Holbrook

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## Objective:

To be genuinely challenged in a 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* September 2009 – December 2010 (expected)

University of Alaska Fairbanks

Completed 15 Credit Hours

3.68 Current GPA

*Bachelor of Science in Mechanical Engineering, Cum Laude* August 2005 – May 2010  
*Minor in Mathematics*

University of Alaska Fairbanks

3.67 GPA

## Employment History:

*Research Assistant*

*January 2010 –Present*

UAF Institute of Northern Engineering, Fairbanks, AK

Job duties include:

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

*Office Assistant*

*January 2008 –December 2009*

UAF Mechanical Engineering Department, Fairbanks, AK

Job duties include:

- 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*

*September 2008 – December 2008*

UAF Mechanical Engineering Department, Fairbanks, AK

Job duties included:

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

*Painter*

*May 2008 – August 2008*

UAF Conference Services, Fairbanks, AK

Job duties included:

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

*Laboratory Assistant*

*February 2007 – May 2007*

UAF Water and Environmental Research Center, Fairbanks, AK

Job duties included:

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