

Joshua Holbrook

3829 West Street Oakland, CA 94608 – (907) 841-9238 – josh.holbrook@gmail.com – <http://jesusabdullah.github.com>

Skills and Qualifications:

- Proficient with GNU/Linux, MATLAB and python/scipy; and experience with javascript

Education:

Master of Science in Mechanical Engineering *Sept. 2009 – May. 2011*
Thesis: The Determination of Anisotropic Thermal Conductivity with Thermal Needle Probe Measurement
3.62 GPA

Bachelor of Science in Mechanical Engineering, Cum Laude *Aug. 2005 – May 2010*
Minor in Mathematics 3.67 GPA

Employment History:

Teaching assistant *September 2010 – May 2011*
UAF Mechanical Engineering Department, Fairbanks AK
Job duties include:

- Grading homework and designing quizzes for ES 346, Basic Thermodynamics
- Grading homework for ME/ENVE 458/658, Energy and the Environment
- Grading homework for ME 403, Machine Design
- Redesigning and conducting laboratory experiments for ME 415, Thermal Systems Lab

Research Assistant *January 2010 – August 2010*
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 include:

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

Painter *May 2008 – August 2008*
UAF Conference Services, Fairbanks AK
Job duties include:

- 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 include:

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