

# Joshua Holbrook

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## Skills and Qualifications:

- Expert in server-side JavaScript (node.js); Knows JavaScript & python/scipy; Experience with bash, R, MATLAB & LabVIEW
- Fluent in L<sup>A</sup>T<sub>E</sub>X, HTML and Markdown
- Competent with couchdb and redis
- Experience with writing, serving and consuming HTTP RESTful and non-RESTful, JSON and/or XML APIs
- Theoretical and practical experience with numerical methods focusing on multivariate nonlinear optimization and boundary value problems

## 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:

*Head of Support* *June 2012 – December 2012*  
Nodejitsu Inc., San Francisco CA  
Job duties include:

- Managing and training junior support engineers
- Monitoring IRC, email, twitter and other sources for support requests
- Triaging and investigating issues with Nodejitsu software, servers and cloud providers
- Maintaining, bugfixing and managing releases for the Flatiron framework and Nodejitsu's open-source software
- Developing and maintaining internal support infrastructure and tooling

*Support Engineer* *July 2011 – May 2012*  
Nodejitsu Inc., San Francisco CA  
Job duties include:

- Monitoring IRC and email for support requests
- Triaging and investigating issues with Nodejitsu software
- Implementing sendgrid-based email system for Nodejitsu master API
- Writing bugfixes, adding features and documenting Nodejitsu's open source libraries and software

*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++