

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 \LaTeX , HTML and Markdown
- Competent with couchdb, mongodb 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:

Software Engineer *August 2013 – November 2013*
i.TV LLC, Provo UT
Job duties include:

- Developing back-end systems with coffeescript and mongodb
- Building internal content creation/management tools
- Deployment of internal services

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