

Nicholas G. Neumann-Chun

Full-Stack JavaScript Developer with a Mathematics Degree from Williams College

nicholas.babelthaupt@gmail.com

349 Harvard Common, Fremont, CA 94539

(651) 491-4928

<https://github.com/babelthaupt>

@Babelthaupt

<https://babelthaupt.github.io> (homepage)

COMPUTER **Skills:** JavaScript, Node, React, Angular, Express, MongoDB, jQuery, Git, Gulp, Heroku, HTML/CSS, Bootstrap, \LaTeX

Exposure: Java, Python, Scala, Mathematica, Flux, GraphQL, Relay, Firebase, jspm, Webpack, Mocha, Passport, Foundation

EXPERIENCE **Full-Stack Developer and Code Mentor**, Coding House *since Jan 2016*

- Worked in teams creating full-stack JavaScript apps
- Mentored students on topics including Git and all MEAN technologies
- Reviewed, graded, and provided feedback on student projects

Math & Physics Teaching Assistant *2009-2013*

- While a student at Williams College
- As a TA for various classes, held weekly workshops and graded homework

COOL PROJECTS **Start Coding** – <http://robertsonsamuel.github.io/startcoding-frontend> *Feb 2016*

- A public, social bookmarks list for discovering and sharing coding resources
- Learned a lot about teamwork, GitHub, React, and MongoDB
- Created an event emitter system from scratch; wrote a recursive algorithm to generate a tree structure from a Mongo collection of comments

Green it! – <http://paulgoblin.github.io/greenit-frontend> *Jan 2016*

- A Reddit-inspired app built with React and MongoDB

Friend Finder – <http://young-favorite-users.herokuapp.com> *Jan 2016*

- A Facebook-inspired, full-stack MEAN app hacked together in less than a week

PUBLICATIONS Garrity, Thomas. *Electricity and Magnetism for Mathematicians: A Guided Path from Maxwell's Equations to Yang-Mills*. New York: Cambridge University Press, 2015.

- Created all diagrams, including cover illustration, with Adobe Illustrator
- Proofread, indexed, and worked all exercises

Krishna Dasaratha, Laure Flapan, Thomas Garrity, Chansoo Lee, Cornelia Mihaila, Nicholas Neumann-Chun, Sarah Peluse, Matthew Stoffregen. "A Generalized Family of Multidimensional Continued Fractions: TRIP Maps." *International Journal of Number Theory* 10.8 (2014): 2151-2186. <http://arxiv.org/abs/1206.7077>

- One result of the number theory research we did during summer 2011. We attacked the problem of extending continued fractions to degrees higher than 2

Krishna Dasaratha et al. "Cubic irrationals and periodicity via a family of multi-dimensional continued fraction algorithms." *Monatshefte für Mathematik* 174 (2014): 549-566. <http://arxiv.org/abs/1208.4244>

- Based on research done during summer 2011

EDUCATION	Coding House Institute , Silicon Valley	2016
	<ul style="list-style-type: none"> • The “Only Live-In” Web Dev Bootcamp • Students eat, breathe, and sleep code for two intense months. I stayed on for another two months as a Code Mentor. 	
	Williams College , Williamstown, MA	B.A., 2013
	<ul style="list-style-type: none"> • Major: Mathematics • Completed half the requirements for a Computer Science Major 	GPA: 3.58
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VOLUNTEER	Centro de Textiles Tradicionales del Cusco , Peru	2015
	<ul style="list-style-type: none"> • English tutor & Technology handyman 	
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LANGUAGES	English , <i>native</i>	
	Spanish , <i>intermediate level</i> – lived in Peru 2014-2015	
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MISC.	Appalachian Trail Thru-Hike	2014
	<ul style="list-style-type: none"> • A 2200-mi. (3500-km.) footpath through the Appalachian Mountains 	
	Wilderness First Aid , NOLS Wilderness Medicine Institute	2014
	<ul style="list-style-type: none"> • Certification Course 	
	Hudson River Undergraduate Math Conference	
	<ul style="list-style-type: none"> • Presented on short topics during the 2009, 2010, 2011, and 2013 conferences 	
	Joint Mathematics Meetings , San Francisco, CA	2010
	<ul style="list-style-type: none"> • Presented the poster: <i>The Isoperimetric Problem in Sectors with Density r</i> • Wrote for the AMS Grad School Blog (http://blogs.ams.org/mathgradblog) 	