

# Nicholas G. Neumann-Chun

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

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@Babelthaupt (Twitter)

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## COMPUTER

**Skills:** JavaScript, Node, React, Angular, Express, MongoDB, jQuery, Git, Heroku, HTML/CSS, Bootstrap, L<sup>A</sup>T<sub>E</sub>X

**Exposure:** Java, GraphQL, Flux, Firebase, Python, Ruby on Rails, Scala, Mathematica, jspm, Gulp, Webpack, Mocha, Passport, Foundation

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## 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
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## 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
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## 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 multidimensional continued fraction algorithms." *Monatshefte für Mathematik* 174 (2014): 549-566. <http://arxiv.org/abs/1208.4244>

- Based on research done during summer 2011

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