# Nicholas G. Neumann-Chun

*Full-Stack JavaScript Developer with a math degree from Williams College*


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**COMPUTER**

**Skills:** Node, AngularJS, Express, MongoDB, JavaScript, jQuery, Gulp, Git, LaTeX

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

**EXPERIENCE**

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

- Worked in teams creating full-stack MEAN apps
- Mentored students on topics ranging from using Git to building JavaScript apps
- Reviewed and graded student projects

**TA and Tutor**, while a student at Williams College *2009-2013*

- As a TA for various math classes, held weekly workshops and graded homework
- Tutored students in math and physics

**COOL PROJECTS**

**Friend Finder** – `http://young-favorite-users.herokuapp.com`

- A Facebook clone hacked together in less than a week

**Errand Optimizer** – `http://babelthuap.github.io/errand-optimizer`

- Uses a brute-force solution to the traveling salesman problem

**Towers of Hanoi** – `http://babelthuap.github.io/towers-of-hanoi`

- The cool part is that it solves itself using the simple recursive algorithm

**VOLUNTEER**

**Centro de Textiles Tradicionales del Cusco**, Peru *2015*

- English tutor & Technology handyman

**LANGUAGES**

**English**, *native*
**Spanish**, *intermediate level – lived in Peru 2014-2015*

**EDUCATION**

**Coding House Institute**, Silicon Valley *2016*

- 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*

- Major: Mathematics GPA: 3.58
- Completed half the requirements for a Computer Science Major

**PUBLICATIONS**

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

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

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

- Based on research done during summer 2011

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

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**MISC.**

**Appalachian Trail Thru-Hike** *2014*

- A 2200-mi. (3500-km.) footpath through the Appalachian Mountains

**Wilderness First Aid**, NOLS Wilderness Medicine Institute *2014*

- Certification Course

**Hudson River Undergraduate Math Conference**

- Presented on short topics during the 2009, 2010, 2011, and 2013 conferences

**Joint Mathematics Meetings**, San Francisco, CA *2010*

- Presented the poster: *The Isoperimetric Problem in Sectors with Density r*
- Wrote for the AMS Grad School Blog (`http://blogs.ams.org/mathgradblog`)