

LAURA TAALMAN

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SOCIAL

[linkedin.com/in/laurataalman](https://www.linkedin.com/in/laurataalman)
twitter.com/mathgrll
thingiverse.com/mathgrll

BLOGS

mathgrll.com/hacktastic
makerhome.blogspot.com

SITES

mathgrll.com
brainfreezepuzzles.com
educ.jmu.edu/~taalmala

3D PRINTING

Afinia • CubeX • FormLabs
MakerBot • Printrbot • Ultimaker
Shapeways • 3D Hubs • Slicers

3D MODELING

OpenSCAD • Customizer
TopMod • Tinkercad • MeshLab
123D Design • MeshMixer
three.js • OpenJSCAD • Maya
Sketchup • Inkscape • Illustrator
Mathematica • Minecraft

TOOLS

Google Analytics • Sheets • DOMO
Markdown • JIRA • Office
Pages • Keynote • Slides • \LaTeX
ScreenFlow • Sketchbook • Wacom

EDUCATION

DUKE UNIVERSITY

Ph.D. in Mathematics, 2000
M.S. in Mathematics, 1997

UNIVERSITY OF CHICAGO

B.S. in Mathematics, 1994

AWARDS

SCHEV Outstanding Faculty
Texty, Alder, and PROSE Awards
MAA Project NEXt Fellow

SUMMARY

I'm a mathematician, author, professor, and self-taught Expert Amateur in 3D printing and design, currently working in the New York City 3D printing industry as a strategist, designer, and developer of online tools and media.

EXPERIENCE

ULTIMAKER | STRATEGIC RESEARCH CONSULTANT

Jan 2016 - present | New York City

- Identify vision, needs, and requirements within maker education markets
- Identify curriculum guidelines for maker-focused, project-based learning
- Use surveys and case studies to capture both quantitative and qualitative data
- Develop and curate resources for 3D printing and design

DIGITAL HARBOR FOUNDATION | CONTENT STRATEGIST

Oct 2015 - present | Baltimore & New York City

- Curate and inventory content over multiple web assets and resources
- Create consistent content guidelines for online and print materials
- Develop strategic recommendations for site organization and design
- Write and edit content for projects, resource blueprints, and white papers

MAKERBOT INDUSTRIES | SENIOR PRODUCT MANAGER

March 2015 - Oct 2015 | Brooklyn

- Led the core Digital Products educational initiatives at MakerBot
- Full lifecycle from product definition and agile development to launch
- Collaborative strategy with multiple UX, Marketing, Social, and Sales teams
- Community engagement and seed content development programs
- Content creation and editing of educational and flagship resources

MOMATH | MATHEMATICIAN IN RESIDENCE

Sep 2014 - Feb 2015 | New York City

- Overdeck Foundation funding to serve at the National Museum of Mathematics
- Created and implemented an editorial management system for exhibit content
- Developed and ran all-ages workshops on 3D printing and design
- Community and event management online and at events and programs

MATHGRRL | 3D DESIGNER AND EDUCATOR

Feb 2013 - present | Harrisonburg, VA & New York City

- 180+ Thingiverse models with 570K views, 190K downloads, 1.5K followers
- Technical blog at Hacktastic with 160K visits and 30K visitors this year
- Print-a-day blog MakerHome with over 125K pageviews
- Dozens of invited keynote talks and workshops about 3D printing
- Featured on Thingiverse, Adafruit, and NPR Science Friday

JAMES MADISON UNIVERSITY | PROFESSOR OF MATHEMATICS

Sep 2000 - present (on leave) | Harrisonburg, VA

- Experienced educator with active learning methods at all levels
- Founder of the JMU 3-SPACE general education 3D printing classroom
- Mathematical research in algebraic geometry, knot theory, and games
- Author of nationally published textbooks and trade books with sales over 75K
- Sought-after speaker with over 100 invited addresses, talks, and workshops