

Grant Tyler England

John A. Paulson School of Engineering and
Applied Sciences
Harvard University
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Education

Harvard University

Cambridge, MA

Ph.D., Applied Physics, October 2016;

M.A., Applied Physics, May 2013

Vanderbilt University

Nashville, TN

B.E., Electrical Engineering and Mathematics with minors in Computer Science and Chemistry,

Summa Cum Laude Ranked 7/280, May 2009

Research Experience

Aizenberg Group, Harvard University, Cambridge, MA, May 2011–present

- Optically characterized various structurally colored materials.
- Used analytical calculations and simulations to predict their appearance.
- Mentored undergraduate students in related projects.

Technical Skills

Computer / Software	Research
Matlab (Scripting/app development), Mathematica, Blender (3D Modelling), C++, Java, CSS, HTML, PHP, SQL, Javascript, D3.js <i>Some Experience:</i> Python, Machine Learning, Perl, Bash, AWS, Angular.js, BASIC, Visual Basic, ColdFusion GitHub: gtengland.github.io	Optical modelling and simulations, Soft Lithography, Ellipsometry, Colloid Synthesis, Photolithography Google Scholar (8 Publications): scholar.google.com/citations?user=sKYIrAUAAAAJ

Industry Experience

Harvard Bok Teaching Center

Cambridge, MA

Media, Literacy, and Visualization (MLV) Media Fellow

12/2017 - present

- Create dynamic data visualizations of data from various sources, including dynamic poll data (integrated with Google Forms) and static CSV data.

Lexmark International

Lexington, KY

Technical Rotation Program Engineer.

6/2009–7/2010

- Worked through technical rotations in design engineering, process engineering, and test engineering.
- Developed firmware to support proof-of-concept demonstrations for future products.
- Developed analytical tools to model the speed of ink-jet droplets ejected from the printhead