3559 Burbank Drive
Ann Arbor, MI 48105
732-275-5051
mcala@umich.edu
www.mcallister.science
McAllisterSci
McAllisterSci

Andrew McAllister

PhD in Applied Physics, science communicator

Summary

Goal — A career that helps bridge the communication gap between scientists and non-scientists through writing, audio, video, and in-person engagement efforts.

Science Communication — Throughout my PhD I have sought out training and experiences presenting to, writing for, and working with diverse audiences. I relentlessly pursue context in making science understandable, interesting, and relevant for audiences.

Self-Starter — Started the Students of Applied Physics project to get more experience shaping stories written about science for a general audience.

Education

Expected: Sept. 2018 — **PhD in Applied Physics**, *University of Michigan*, Ann Arbor, MI.

2012 — **B.S. in Physics**, *Rensselaer Polytechnic Institute*, Troy, NY.
Magna cum laude, dual major in mathematics

Writing and Editing for a General Audience

1. **Using LEDs to Tell Plants What We Want From Them [Link]**, *Science in the News Blog, 2018*.
   Worked with the "Friends of Joe's Big Idea" program by National Public Radio.
2. **Senior Editor**, *Students of Applied Physics, Applied Physics Student Council*.
   I work with PhD students to develop understandable and engaging articles about research in the applied physics department. Example article [Link]
3. **Atomistic Calculations Predict That Boron Incorporation Increases The Efficiency Of LEDs [Link]**, *University of Michigan Materials Science & Engineering News, 2017*.
   Press release for research group. Picked up by the Department of Energy, National Energy Research Scientific Computer Center, and Semiconductor Today.
4. **How Gecko Feet Will Make Your Next Move Easier [Link]**, *Michigan Science Writers, 2017*.
   I also work as a content editor for Michigan Science Writers, where I provide feedback and help develop a rought draft developing of a piece by another graduate student.

Communication Training

August 2017 — **ComSciCon Chicago [Link for more information]**, *Chicago, IL*.
Attended a conference based on science communication.

2016 — **Researchers Expanding Lay-Audience Teaching and Engagement (RELATE) Workshops**.

- Over 3 months, worked on crafting messages and narratives, considering different audiences and making visual aids.
- Developed and produced a YouTube video [Link] highlighting my research.

Awards

2014 National Science Foundation Graduate Research Fellowship Program

2012 Nadia Trinkala Service Award [Link for Verification], Rensselaer Physics Department

2010 Founder's Award of Excellence [Link for Verification], Rensselaer Physics Department

2008 Boy Scouts of America, Eagle Scout

««««< HEAD

Public Engagement

2018 **Engaging Scientists in Policy and Advocacy**.
Voluteer for "Ask a Scientist at Art Fair", where I spoke to adults interested in science at a large local event in an informal setting.

2018 **Skype a Scientist [Link]**.
Volunteered for the Skype a Scientist program, where I skyped into multiple high school classrooms to talk about science, becoming a scientist, and other topics. More information on my blog, here. [Link]

2017 **Nerd Nite [Link] Ann Arbor Talk**.
Gave a 20 minute talk about my research at a local bar to an audience of mostly non-scientists. A recording is available at: LED Light Bulbs: Why Do They Cost an Arm and a Leg? [Link]

2013-2016 **American Society for Engineering Education**.
Organized and ran a table at K-Grams Kid's Fair – an elementary school visit to University of Michigan. At the table, I helped demonstrate some concepts of signal analysis by using a laser to transmit music through open air.

2008-2012 **Society of Physics Students**.
Organized and ran multiple outreach events at local schools and on campus. A large project that I was involved with was organizing a full-day program on light and solar cells for the Harlem Academy's visit to Rensselaer with my advisor, Peter Persans.

Leadership

2018-Present **Organizer**, *ComSciCon Michigan*, Ann Arbor, MI.
Work with other graduate students to organize, publicize and run a conference devoted to science communication in Ann Arbor Michigan.

2017-Present **Senior Editor**, *Students of Applied Physics Project, Applied Physics Student Council*, Ann Arbor, MI.
I work with PhD students to develop understandable and engaging articles about research in the applied physics department. Example article [Link]

2014-2015 **President**, *Local Chapter of American Society for Engineering Education*, Ann Arbor, MI.
Organize and run meetings, ensure that skill workshops have teachers, plan future workshops based on the needs of University of Michigan students.

2009-2011 **President**, *Local Chapter of Society of Physics Students*, Troy, NY.
Organize meetings and social events, foster a community of physics students, act as intermediary between faculty and students, help organize and run engagement events in local area.

Professional Memberships

American Association for the Advancement of Science

American Physical Society

American Society for Engineering Education

Materials Research Society

Society for Social Studies of Science

Andrew McAllister
3559 Burbank Drive
Ann Arbor, MI 48105
732-275-5051
mcala@umich.edu
www.mcallister.science
McAllisterSci
McAllisterSci

Company Recruitment team
Company, Inc.
123 somestreet
some city

June 22, 2018

Dear Sir or Madam,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ullamcorper neque sit amet lectus facilisis sed luctus nisl iaculis. Vivamus at neque arcu, sed tempor quam. Curabitur pharetra tincidunt tincidunt. Morbi volutpat feugiat mauris, quis tempor neque vehicula volutpat. Duis tristique justo vel massa fermentum accumsan. Mauris ante elit, feugiat vestibulum tempor eget, eleifend ac ipsum. Donec scelerisque lobortis ipsum eu vestibulum. Pellentesque vel massa at felis accumsan rhoncus.

Suspendisse commodo, massa eu congue tincidunt, elit mauris pellentesque orci, cursus tempor odio nisl euismod augue. Aliquam adipiscing nibh ut odio sodales et pulvinar tortor laoreet. Mauris a accumsan ligula. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Suspendisse vulputate sem vehicula ipsum varius nec tempus dui dapibus. Phasellus et est urna, ut auctor erat. Sed tincidunt odio id odio aliquam mattis. Donec sapien nulla, feugiat eget adipiscing sit amet, lacinia ut dolor. Phasellus tincidunt, leo a fringilla consectetur, felis diam aliquam urna, vitae aliquet lectus orci nec velit. Vivamus dapibus varius blandit.

Duis sit amet magna ante, at sodales diam. Aenean consectetur porta risus et sagittis. Ut interdum, enim varius pellentesque tincidunt, magna libero sodales tortor, ut fermentum nunc metus a ante. Vivamus odio leo, tincidunt eu luctus ut, sollicitudin sit amet metus. Nunc sed orci lectus. Ut sodales magna sed velit volutpat sit amet pulvinar diam venenatis.

Albert Einstein discovered that $e = mc^2$ in 1905.

Yours faithfully,

Andrew McAllister

Attached: curriculum vitæ