Andrew L. Beers

Education

Brown University, 3.76 GPA, Magna Cum Laude   Providence RI

- **Concentration**: Environmental Studies
- **Awards**: *Best Research Project 2015*, Institute at Brown for Environment and Society. *Library Innovation Prize 2015,* Brown University. *Explore Grant 2013*, Social Innovation Initiative.
- **Coursework Sample**: *Inference in Genomic and Molecular Biology*, *Sustainable Design in the Built Environment, Geographic Analysis of Society*, *Environmental Law and Policy*, *Topics in Chaotic Dynamics*, *Linear Algebra, Differential Equations, Estuarine Oceanography, 20th Century Black Feminist Thought, Intermediate Macroeconomics, Statistical Inference, Survey Research in Health Care*

Employment

Athinoula A. Martinos Center for Biomedical Imaging

Research Technician I (Spring 2016-Present)

- Will develop and manage image analysis pipelines for an interdisciplinary group focused on applying machine learning to brain tumor imaging projects.

American Civil Liberties Union

Online Production Assistant (Fall/Winter 2015-2016)

- Coded 100+ fundraising emails and donation pages in HTML/CSS for ACLU National's fundraising campaigns, and ran analysis on those efforts using Adobe Omniture.

Ceres

Boston, MA, Insurance Intern (Summer 2014)

- Programmed a tool with Bloomberg to track eco-friendly "green bonds" investments by global insurance companies, and valued effects of weather disasters on health and property insurers.

Planned Parenthood Federation of America

Washington, DC, Digital Fundraising Intern (Summer 2013)

- Programmed a tool in R to rank the effectiveness of PPFA's national fundraising campaigns.

TIC Camp

Mclean, VA, Programming Instructor / Athletics Counselor (Summers 2011-12)

- Designed and taught students aged 6+ a programming curriculum in Logo, coached sports.

Research

Cedar Creek Ecosystem Science Reserve, LTER

East Bethel, MN, Research Intern (Summer 2015)

- Formalized and enacted a protocol for surveying diseased oaks in an experimental forest. Tended the world's longest-running biodiversity experiment in an NSF-funded site.

Brown University Center for Environmental Studies

Providence, RI, Research Assistant (2014-15)

- Made a website to visualize 134 years of iceberg data using JavaScript, and d3.js. Published in the Brown Digital Repository (doi:10.7301/Z0HT2M7B).
- Parsed 300k+ scanned geosighting data with Python and used machine learning methods to identify observer biases and long-term trends in North Atlantic climate data.

American Civil Liberties Union

Researcher (Summer 2014)

- Critiqued statistical methods in 15+ of the opposition's case studies and contributed to a rebuttal for an expert witness in an upcoming state-level reproductive justice case.

Leadership and Advocacy

Bluestockings Magazine – Designer (2013-14), Art Director (2014-15)

- Designed three 100-page print issues, illustrated 1-3 articles per week, and managed art submissions for the feminist magazine's website, which has reached 10,000+ hits on featured pieces.

Brown/RISD Design for America Chapter – Project Member (2012-13), Lead (2013-14)

- Developed the Empathy Box Project, which sought to spread the stories of those with autism via social sharing. Applied for and won grant funding ($1400+), and coded a website.

Social Action House – Head of Publicity (2012-13), President (2013-14)

- Planned events and coordinated recruitment for a Brown residential house's inaugural years.

The Brown Conversation – Facilitator (2011-13)

- Led and planned weekly public discussion groups on university education reform.

Technical Knowledge

Languages: Proficient in Python, R, MatLab, CSS, JavaScript. Experienced with C++, Java.
Systems: Proficient in Windows, GNU/Linux.
Software: Experienced with d3.js, ArcGIS, MySQL, Adobe Creative Suite + Omniture, VBA, SPSS