

J. Hoy Loper

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Education

- 2010-present **Brown University**, *Ph.D. Applied Mathematics*, Providence, RI, 4.0.
- 2004-2009 **Brown University**, *BA Applied Mathematics*, Providence, RI, 3.84.
- 2005 **University of Rhode Island**, Providence, RI, 4.0.
Class on the geographical and economic structures of early childhood deprivation.
- 2002-2004 **University of Virginia**, Charlottesville, VA, 4.0.
Attended during Sophomore, Junior, and Senior year of highschool. Digital Logic Design. Ordinary Differential Equations. Introduction to Political Science. Psychology of Personality.

Experience

- 2011 **Aptima, Inc.**, *Paid Internship*.
- 2009-2010 **Brown University**, *Research Assistant*.
- 2008 **Brown University**, *NSF-UBM Fellow*.
- 2005-2006 **Ready to Learn Providence**, *Full-Time AmeriCorps Member*, Providence, RI.
Built social networks and taught preschool in a low-income neighborhood of Providence

Skills

- Computer Frameworks C, C++, FORTRAN, Java/SWIG, Python/SciPy/Cython, R, Matlab, Scheme, OCaml, Flash, OpenMP, MPI, OpenGL, Amazon EC2.
- Languages English (native), Spanish (intermediate).
- Arts Creative Nonfiction, Poetry, Acting, Singing, Composition.