DANIEL J. VARON

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29 Oxford Street ⋄ Cambridge, Massachusetts 02138

RESEARCH INTERESTS

Satellite Remote Sensing · Machine Learning · Scientific Computing · Inverse Methods

EDUCATION

Harvard University   2015 -
Ph.D. in Environmental Science, secondary field in Computer Science
Advisor: Professor Daniel Jacob

Harvard University   2015 - 2018
M.Sc. in Applied Mathematics

McGill University   2009 - 2014
B.Sc. in Physics, First Class Honours

McGill University   2010 - 2014
B.A. in English Literature, First Class Honours

EXPERIENCE

GHGSat, Inc.   2016 -
Student research associate in data analytics.

PUBLICATIONS

2018	**Varon, D. J.**, D. Jacob, J. McKeever, D. Jervis, B. O. A. Durak, Y. Xia, Y. Huang. "Quantifying methane point sources from fine-scale satellite observations of atmospheric methane plumes", *Atmospheric Measurement Techniques*. https://doi.org/10.5194/amt-11-5673-2018, 2018.
2015	**Varon, D. J.** "'The Drop Fell': Time-Space Compression in *The Waves*", *The Virginia Woolf Miscellany* 86, Fall 2014/Winter 2015: 36-39.
2013	Lovejoy, S., D. Schertzer, **D. J. Varon.** "Do GCMs predict the climate... or macroweather?", *Earth System Dynamics* 4, 439-454. doi:10.5194/esd-4-439-2013, 2013.

CONFERENCE PRESENTATIONS

2018	Quantifying methane emissions from individual coal mine vents with GHGSat-D satellite observations. Poster presented at (A43R-3443) 2018 AGU Fall Meeting, Washington, DC, 10-14 Dec., 2018AGUFM.A43R3443M, 2018.
2018	*Quantifying methane point sources from fine-scale (GHGSat) satellite observations of atmospheric methane plumes. Abstract presented at 2018 IWGGMS meeting, Toronto, ON, 8-10 May, 2018.
2017	*Also presented at (A32D-07) 2017 AGU Fall Meeting, New Orleans, LA, 11-15 Dec., 2017AGUFM.A33G2450M, 2017.

HONOURS & AWARDS

2017	Harvard University Certificate of Distinction in Teaching
2015	Stonington Graduate Fellowship of Environmental Science and Engineering.
2014	McGill University Dean's Honour List.
2013	McGill Faculty of Sciences Summer Research Award.
2012	McGill Faculty of Sciences Summer Research Award.
2011	McGill Faculty of Sciences Summer Research Award.

PROGRAMMING SKILLS

Substantial experience: MATLAB, Python, R, Mathematica, LaTeX.
Intermediate skill: C, C++, shell script
Basic familiarity: FORTRAN, html.

LANGUAGES

English (first language) · **French** (fluency)