

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 Ph.D. in Environmental Science, secondary field in Computer Science <i>Advisor: Professor Daniel Jacob</i>	2015 -
Harvard University M.Sc. in Applied Mathematics	2015 - 2018
McGill University B.Sc. in Physics, First Class Honours	2009 - 2014
McGill University B.A. in English Literature, First Class Honours	2010 - 2014

EXPERIENCE

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

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

CONFERENCE PRESENTATIONS

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|------|---|
| 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.A32D-07 , 2017. |

HONOURS & AWARDS

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| 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)