Kevin Smith

adapting technology
for a just and democratic
resource management future

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education

SINCE 2013 PhD. Student in Environmental and Water Resources Engineering
NSF IGERT Fellow in Water and Diplomacy, Dean's Fellow, Tufts University

2011 -2013 Bachelor of Science, Earth and Environmental Engineering
Cum Laude, Tau Beta Pi, Columbia University

2008 -2013 Bachelor of Arts, Environmental Studies with a minor in Physics
Joyce Gorn Memorial Prize for Research, Oberlin College

experience

SINCE 2015 Product Development Intern - OptiRTC, Boston, MA
Developing decision-logic for semi-autonomous stormwater infrastructure.

SINCE 2013 Volunteer Product Development Engineer - ELiTE Education, New York , NY
Provide occasional remote support and development for the *Pop-Up Labs: STEM Classroom in a Backpack* program.

2013 Summer Engineering Intern - Stroud Water Research Center, Avondale, PA
Worked on various open-source environmental sensing projects; developed an open-source SDI-12 library for Arduino (see *Software* below).

software

2013 Arduino-SDI-12: an open source implementation of the SDI-12 environmental sensor communications protocol for the Arduino platform. (https://bit.ly/1VwxpRI)

publications

FORTH-COMING 2016 La Matta-Romero F, Vargas-Canchanya D, Merino-Dianderas C, Cruz-Encarnación R, Smith KM, Hecht ND, Bullard JR, Loayza-Muro, R. *The Andean Biotic Index (ABI) Calculator: A Mobile Phone Application based on Benthic Macroinvertebrates Community Composition for Evaluating Water Quality in High Altitude Andean Streams (Cordillera Blanca, Peru).* Water (2016).

2014 Jain RK, Smith KM, Culligan PJ, Taylor, JE. *Forecasting Energy Consumption of Multi-Family Residential Buildings Using Support Vector Regression: Investigating the Impact of Temporal and Spatial Monitoring Granularity on Performance Accuracy.* Appl Energy (2014), http://dx.doi.org/10.1016/j.apenergy.2014.02.057