

kevin.smith@tufts.edu

education

PhD. Student in Environmental and Water Resources Engineering NSF IGERT Fellow in Water and Diplomacy, Dean's Fellow, Tufts University
 Bachelor of Science, Earth and Environmental Engineering Cum Laude, Tau Beta Pi, Columbia University
 Bachelor of Arts, Environmental Studies with a minor in Physics Joyce Gorn Memorial Prize for Research, Oberlin College

experience

- 2015 Product Research and Development OptiRTC Inc, Boston, MA
 Responsible for designing and testing the decision logic for real-time forecast-driven semi-autonomous stormwater controls.
 - 2013 Volunteer Product Development Engineer ELITE Education, New York, NY
 Lead development of the Pop-Up Labs: STEM Classroom in a Backpack
 program, which received a Google Roots In Science and Innovation (RISE)
 award in partnership with WAAW (Working to Advance Science and Technology
 Education for African Women) Foundation. (https://bit.ly/GRISE)
 - 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

- The Andean Biotic Index (ABI) Calculator: a mobile phone application to streamline the evaluation of community composition of benthic macroinvertebrates in high altitude Andean streams a water quality indicator. (https://bit.ly/ABICalc)
- 2013 Arduino-SDI-12: an open source implementation of the SDI-12 environmental sensor communications protocol for the Arduino platform.

 (https://bit.ly/ArduinoSDI12)

publications

Profile on Google Scholar

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), https://dx.doi.org/10.1016/j.apenergy.2014.02.057