Kevin Styers

Westminster, Colorado
Coding Portfolio - kevstyers.github.io
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Experience

October 2019 - present
Battelle Ecology, Boulder, CO – Ecologist I – Operations Analyst

- Develop and maintain an ETL pipeline in R that utilises S3 storage to report, alert and dashboard relevant data to scientists, engineers and maintenance technicians.
- Worked jointly with scientists to transform their ideas into reproducible reports for a variety of datasets.
- Develop and maintain a set of Fulcrum data collection applications that have improved user experience and data quality utilizing JavaScript.
- Write test plans for sensor obsolescence and utilize container technology to produce reproducible reports that relay findings to stakeholders.
- Assist other in R for data wrangling, plotting, reporting and best practices

December 2018 - October 2019
Battelle Ecology, Boulder, CO – Instrumentation Field Ecologist

- Developed a multitude of data tools in *R/Python* for managing Instrument Systems
  - **IPPingPy**, a Python script that pings all networked devices on a site and prints the response.
  - **IS System Status Report (IS3R)**, a report that displays a variety of data visualizations that allow for quick and easy troubleshooting, allowing for greater site awareness and response time.
- Wrote a Shiny Application (**Meadowlark**) that interactively analyzes all of the NEON Project's phenological data.
- Maintain 4 eddy covariance flux towers in a variety of ecosystems ranging from agricultural to alpine (11,400ft). This involves troubleshooting atmospheric sensors, gas analyzers, data acquisition devices, and vacuum pumps to ensure data continuity/quality.
- Initiated an internal NEON Project newsletter to increase team cohesion and disseminate information across departments.

May 2018 - October 2018
Battelle Ecology, Boulder, CO – Temporary Field Technician

- Established the RMNP phenology loop, acting as principal observer, creating training materials specific to the phenological phases for 3 species of sub-alpine tree.
- Presented a special project investigating phenology at D10.13 to recognize data patterns between TOS and TIS to improve protocol implementation.

May 2017- October 2017
Battelle Ecology, Land O Lakes, WI – Temporary Field Ecologist

- Identified Great Lakes flora for plot-level diversity surveys in mixed forests, woody wetlands, and riparian habitats. Acted as lead technician for protocol others were unfamiliar with.

August 2016 - August 2017
Honeycomb Bees, Washington, DC – Science Writer

- Researched, designed, and wrote weekly scientific articles centered on pollinator conservation directed towards a general audience.

August 2015- February 2017
BigThumb, Fairfax, VA – IT Consultant

- Cooperatively managed an IT help-desk with the CEO/CIO, servicing over 20 clients in multiple states.
- Designed and implemented a new office build from static IPs to computer software/hardware configurations.
- Demonstrated analytical problem solving and creative thinking to solve complex IT issues. This work ranged greatly from repairing an outdated email server, assisting software developers to resolve image database issues, to scripting network drive in an outdated Windows user directory and updating over 120 computers to Win10.

Education

August 2013- May 2018
George Mason University, Fairfax, VA – Environmental Science B.S.

Awards

Battelle Ecology: Outstanding Performance Award May 2019 - Meadowlark

Battelle Ecology: Outstanding Performance Award July 2019 - IS System Status Report (IS3*R*)

Battelle Ecology: Outstanding Performance Award May 2020 - TIS Maintenance Application