


# LUKA NEGOITA, PHD

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Portfolio: [lukaneg.github.io](https://lukaneg.github.io) 

## >> DATA SCIENCE | ECOLOGY | MACHINE LEARNING

**MOTIVATION** *My passion for learning is my modus operandi—and that is what I seek as a data scientist and ecologist. I use my skill-sets to [solve business problems](#) and find creative solutions that [add tangible value](#) for businesses, the environment, and ultimately the end-user. This work lets me continue learning and I am always seeking ways to improve.*

**SKILLS & TOOLS** **Programming:** R (base, tidyverse, ggplot2, shiny, rmarkdown), SQL, JavaScript, HTML/CSS  
**Machine Learning:** Linear and Logistic Regression, Time-series, Bayesian, Evo Algorithms, Decision Trees, Random Forest, KNN, k-means, Ordination, NLP, Decision analysis, Simulation  
**Other:** Statistics, GitHub, Data Visualization, Power analysis, Experimental design, MS Office

**EXPERIENCE** **Founder and Lead R Instructor** — [R for Ecology online school](#), New York  
MAY 2020 - PRESENT

- [Built an online school](#) to teach scientists how to use R (currently 700+ students)
- [Currently manage a team of two](#) other assistants and instructors
- [Manage and regularly share resources](#) to [my blog](#), [YouTube channel](#), and [Twitter feed](#)

**Ecologist and Biostatistician** — Charles Darwin Foundation, Galapagos, Ecuador  
OCTOBER 2017 - NOVEMBER 2021

- [Designed research studies and analyzed environmental data](#) using Bayesian, regression, model selection, and time-series analyses and [found solutions that reduced costs by 34%](#)
- [Generated data visualizations, infographics, and technical reports](#) for communicating results to stakeholders and general public
- [Built and maintained online dashboards with R-Shiny](#) for managing, visualizing, and analyzing financial and ecological data

**Research Scientist**  
NOVEMBER 2010 - MAY 2020

- [Led four major research programs at two universities](#), executing all technical design, data collection, and data analyses
- [Funded ten grants, fellowships, and crowdfunds](#) totaling over \$175,000 USD
- [Published four first-author peer-reviewed publications](#) and numerous conference presentations and technical reports

**Senior Research Analyst** — The Research Foundation at SUNY, Syracuse, New York  
DECEMBER 2017 - MARCH 2018

- [Conducted statistical analyses on environmental data](#) from studies in the Galapagos
- [Generated graphical and tabular summaries of analyses](#), producing narratives of the statistical methods and interpretations of results that were later used in publications

**Founder and CEO** — HabitU Lab, LLC, New York  
SEPTEMBER 2015 - JANUARY 2018

- [Led a development team](#) to build an app designed to help people reduce stress by combining a habit-tracking system with behavioral psychology
- [Bootstrapped the tech startup](#) and successfully acquired investor funding
- [Awarded Student Entrepreneur of the Year 2017](#) by Whitman School of Management, SU

**EDUCATION** **PhD (Quantitative Plant Ecology)**  
2012 - 2018 — Syracuse University, New York  
**BA (Human Ecology)**  
2007 - 2011 — College of the Atlantic, Maine