Rob Nowicki, Ph.D — Data Scientist, Marine Ecologist, R Programmer

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RELEVANT SKILLS

Languages: R | SQL
Programming & Development: Automation | Optimization | CI/CD | Package Management
Statistics: Parametric/Nonparametric Significance Testing | Regression | Multivariate Analysis | Classification | Clustering
Platforms: Qualtrics | Git | Asana | Wrike | Notion | Sharepoint | Dropbox | Google Suite | Lucid | PureSpectrum | Cint
Research: Survey/Experiment Design & Execution | Proposal/Grant Writing | Technical Writing & Publishing
Fieldwork Certifications: Small Vessel Operation (USCG captain) | Research SCUBA (AAUS)

RELEVANT WORK EXPERIENCE

Morning Consult (Remote)	**04/2020 – 01/2023**
Associate Vice President, Commercial Data Science (West, Midwest, South offices)	*10/2021 - 01/2023*
Managing Director, Commercial Data Science (West, Midwest offices)	*04/2021 - 10/2021*
Senior Director, Commercial Data Science (West office)	*10/2020 - 04/2021*
Director, Commercial Data Science (West office)	*04/2020 - 10/2020*

- Team Leader
  - Led development of West office DS team from 1 to 12 members in 2.5 years, allowing us to service the data needs of a 600%+ office staff expansion, hundreds of surveys, & tens of millions of dollars of work annually
  - Scaled up data science operations by developing new tools, standardizing processes, centralizing training & information, improving communications, facilitating a collaborative team culture, & removing barriers
  - Met revenue goals despite rapid growth in client base, product portfolio, code complexity, & work volume
  - Solved data science team's urgent programming, survey, & analysis problems on tight timelines (hours)
  - Led development teams responsible for expanding analytical portfolio
  - Resulted in high contract renewal rates, ~50% annual revenue growth in west office, & assumption of leadership of two more established data science teams in midwest (3 DS staff) & south (3 DS staff) offices
- Product Developer / Individual Contributor
  - Developed/co-developed 5 regression, multivariate, & market research analyses to expand analytical portfolio
  - Developed/co-developed automation of vendor communications, fraud detection, sample bidding
  - Led survey & sample operations for millions of dollars of survey research across 20+ nations annually
  - Advised clients on analytics, survey design, & inference to help stabilize multi-million dollar projects
- Cross-Division Collaborator
  - Collaborated with internal technical & non technical teams as data science lead to build or update tools & processes to increase efficiency, reduce liability, & help the company rapidly scale up operations

Mote Marine Laboratory (Summerland Key, FL)	**01/2017 – 04/2020**
Postdoctoral Research Fellow, Shark and Ray Conservation Program	

- Founded Coral Reef Ecological Processes Program to study how ecological processes on coral reefs influence reef health & coral restoration success
- Mentored ~20 postgraduate interns, including 3 NSF REU students
- Published 7 peer-reviewed publications & was awarded multiple competitive grants totalling ~$50,000
- Developed & shared a method to reduce shark bycatch in commercial lobster traps of the Dutch Caribbean
- Led dozens of public research engagements reaching hundreds of children & adults

EDUCATION

Ph.D, Biology, Florida International University (Miami, FL)	**2016**
Effects of climate disturbance, overfishing, & their interaction on structure & resilience of a model seagrass ecosystem	
B.S. Marine Biology, University of North Carolina, Wilmington (Wilmington, NC)	**2010**
Links between wing mechanoreceptors & sub-epithelial neurons in the peripheral nervous system of pteropod C. limacina	

AWARDS

Grants, Fellowships, Awards: $507,528 awarded from 10 wins out of 34 awards written/submitted
Publications: 12 peer reviewed publications (11 journal articles & 1 book chapter); 4 first-author; ~400 citations