

# Sean Maden

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## *Summary*

- Versatile employee with nonprofit, academic, industry, and government experience.
- Senior analyst and data professional delivering insights about complex high-dimensional data.
- Productive project lead with strong publication record (14 manuscripts, 7 as first author).
- Excellent communicator who delivered data-driven insights for teams and conferences.

## *Education*

PhD, Computational Biology, OHSU, Portland, OR Jun 2018 to 2022  
Machine learning, scalable analytics, Dissertation: Applications of public omics data  
BA, Biology, Reed College, Portland, OR Sep 2007 to May 2011  
Rigorous liberal arts and sciences, genetics focus, Thesis topic: genetic diversity  
GED and IB, Edmonds-Woodway HS, Edmonds, WA Sep 2007 to May 2011  
Top 5% of class, led Senior research in Puget Sound ecology, Completed I.B. program

## *Experience*

New Seasons Market Mountain Park, Lake Oswego, OR Oct 2024 to present  
Online Shopping Lead, Front End Jan 2024 to present  
- Facilitated all order phases including shopping, staging, and handoff  
- Balanced in-store and off-site customer service  
Store Floater, Operations Oct to Jan 2024  
- Coordinated communication and conveyance of tasks, situations, and requests among team  
- Supported key functions of four departments in-store and one virtual shopping application  
Postdoctoral Fellow, Johns Hopkins, Baltimore, MD, remote Jun 2022 to 2024  
- Delivered manuscripts and software for critical arm of deconvolution research initiative.  
- Leveraged omics data integration to derive novel insights about cell size divergence biases.  
- Completed high-throughput, high-dimensional computations using HPC SGE environments.  
Data Analyst Assistant, Fred Hutch, Seattle, WA Oct 2015 to Jun 2018  
- Determined cancer risk from subtyping, path reports, and AUC/ROC critical analysis.  
- Completed high-throughput and -dimensional data processing using HPC Slurm.  
Bioinform. Intern, Fred Hutch, Seattle, WA, part-time Apr to Oct 2015  
- Lead statistical insights from analysis of colorectal cancer epigenetic profiles and EHR data.  
- Quantified associations from colorectal microarray data using a custom ETL pipeline.  
Lab Assist., University of Wash. Medical Gen., Seattle, WA - part-time Jan to Oct 2013  
- Determined Paraoxonase (PON)-1 enzyme activity from modeling of population genetics.  
- Completed novel genome-wide association studies (GWAS), array processing, and figures.

## *Awards*

- Stars, Fellow Recognition (Sep 2022-2023) Johns Hopkins Dept of Biostatistics, Baltimore, MD
- MOMACS Student Travel (May 2019) Modeling the World's Systems, Washington, D.C
- SAS-BWF Fellow (May 2016-2017) Collaborative cancer research, Fred Hutch, Seattle, WA
- Undergrad Research Grant (Jan to Mar 2010) Thesis research, Reed College, Portland, OR
- Fischer Memorial Fellow (May to Sep 2010) Amphibian surveys, Reed College, Portland, OR

## *Skills*

Customer service: Operations, coordination, open orders, delegation  
Statistics: Machine learning, decomposition, cluster analysis, transformation, bias correction  
Data analytics: Benchmarks, workflows, normalization, automation, high-throughput  
Software dev: Version control (Git/GitHub), data servers (Synapse, NCBI), APIs, Jupyter  
Programming languages: High-level (R and Python), low-level (Bash), scripting (JavaScript)

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