

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)
