

Michael Cariaso

Bioinformatics, Next Generation Sequencing and Amazon Web Services

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EXPERIENCE

Serotiny, South San Francisco — Sr Bioinformatic Scientist

Sept 2022 - July 2023

AWS sequence analysis pipelines of Illumina, PacBio & OxfordNano sequences in support of CAR-T and recombinase based combinatorial therapeutic protein design

MyHeritage, Israel — VP Genetic Health R&D

July 2017 - Feb 2020

Microarray based direct to consumer health product.

River Road Bio, Maryland — Bioinformatician

Aug 2006 - July 2017

Created software to summarize health related information from microarray data.
Acquired by MyHeritage

KeyGene, Netherlands & Washington DC — Bioinformatician

June 2019 - June 2017

Plant genetics including polyploid variant detections, mutagenesis and numerous analysis pipelines.

Kailos Genetics, Huntsville, AL — Bioinformatician

Sept 2014 - Aug 2015

Scikit-learn based tools for forensic Ancestry and Phenotype prediction.

Bioteam, Boston, MA — Bioinformatician

June 2007 - June 2009

Created the successful WikiLIMS product to address the needs for data management of the 454, Illumina GA2, and second generation DNA sequencers.

Celera, Rockville, MD — Bioinformatician

Apr 2004 - Jan 2005

Inherited 100k lines of Perl sequence handling pipelines. Added detection of methylation and indels. Designed a minimal set of primers for genes with many alternate splice forms

SKILLS

Python, Bash, Javascript

C, C++, Linux, AWS

Large Biological Datasets

MEDIA

2014 Profile in MIT

Technology Review for
creating widely used human
DNA tools

<https://www.technologyreview.com/2014/10/19/170908/how-a-wiki-is-keeping-direct-to-consumer-genetics-alive/>

2012 Cover of Nature

[PMID 22660326](https://pubmed.ncbi.nlm.nih.gov/22660326/) The
tomato genome sequence
provides insights into
fleshy fruit evolution

2007 Article about AWS

<https://web.archive.org/web/20080511010358/bio-itworld.com/issues/2007/nov/inside-the-box-buying-cpus/>