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I'm visiting the Marc Feldman Lab while writing my book, "Clade Thinking: The Macroevolution of Recursive Clades and the Evolution of Evolvability". The motivating question of the book is, "Can macroevolution be reduced to merely the repeated iteration of microevolution?" (Short answer: no, you would be missing some fundamental evolutionary dynamics.)

For the past three years, I've taught a short course called "The Evolution of Evolvability" on the same topic as my book.

I'm also doing some machine learning (ML) applied to genomics with the Fraser Lab, related to the evolution of cis-regulatory elements (CREs), which have been involved in a lot of recent/rapid evolution in mammals. We are doing what we call "in silico genome transplants": placing DNA variants from one species into the (ML-modeled) cellular environment of another species (or cell type, or individual with some pathology, etc.). We analyze variation in gene expression to detect various modes of selection on CREs.

I got my B.S. in Physics at Yale, and my Ph.D. in Computer Science at the California Institute of Technology. In my career, I've gone back and forth between academia (computational biology) and the tech industry in Silicon Valley.