Cover Letter for Full-Stack SWE @ Evolutionary Scale
Dane Mathias Jacobson

To the Team at Evolutionary Scale,

I'm Dane and this would be my dream role.

I founded the Data Team at [The EVERY Co.](#) using ML to optimize our protein production, and researched [neural architecture search at Meta](#). ML in biology is my passion and recent strides have been breathtaking to witness. Now I want to join the team at the forefront of those advances.

For four years I built [Ovonaut](#), EVERY's data engine for biological datasets sourced from across our R&D stack and from public datasets like NCBI, FDA, and the PDB. The microservice architecture was built in Python, C++, and Type/JavaScript, utilizing GCP's suite of products to ingest and store terabytes of data. I've trained hundreds of multimodal ML models and deployed them in web apps for research scientists to visualize and interact with in a [Bret Victor-esque](#) fashion. In college I even forayed into the world of protein design itself, using cutting-edge models (ESMFold and AlphaFold2) to analyze common food proteins (like soy leghemoglobin A) and design healthier alternatives.
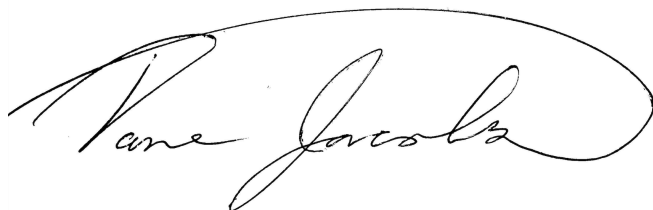
While the description for [SWE, Full-Stack](#) doesn't describe the tech stack beyond Next.js, React.js, PyTorch, and building web apps in biology, I have years of experience going from 0 to 1 with these tools as I've been a SWE *and* Data Scientist at a biomanufacturing startup for four years. I also successfully exited an [edtech](#) and like to think that I have the sales and product chops to unleash growth if necessary.

My dream is to transform biology into a *true* engineering discipline and beautiful software is a crucial step in this process. I work hard, I work fast, and I am relentlessly curious about how we got here and where we're going.

I'd love to join the team.

Sincerely,

Dane Mathias Jacobson