Software Engineer

Asimov's **Software Team** builds our computer-aided design platform for programming biological systems.

Position: We're looking for a full-time Software Engineer to develop our genetic design engine and expand our DNA compiler, cell biophysics core, and molecular debugging capabilities. The ideal candidate is obsessed with the question of how to best engineer complex biological systems. This is a unique opportunity to work at a nimble, forward-thinking synthetic biology startup and help build the foundation for engineering biology.

As part of the Software Team, you will:

- Design and implement the backend for our cell CAD pipeline, including the genetic compiler and simulation engine using Java and Javascript/HTML
- Innovate new biophysical models to guide molecular and cellular engineering
- Develop machine learning approaches to analyze genomics, transcriptomics, and other molecular debugging data streams using TensorFlow
- Collaborate frequently with the Cell Design Team to incorporate biological design principles and experimental data into the software pipeline
- Communicate methods and results with other scientists, industry executives, and academic researchers
- Manage software project and write elegant code
- Work effectively as part of a multifunctional team in support of a synthetic biology design platform

Qualifications:

- M.S. or Ph.D. in Computational Biology, Computer Science, or a related field
- Knowledge of cell and molecular biology a must
- 2+ years of experience of professional software development
- Ability to work both independently and in a collaborative team environment

About us: We're fueled by a vision to transition synthetic biology to a fully-fledged engineering discipline. Should you join our team, you will grow with a constantly evolving organization, and push the frontiers of biological engineering. Culture is key to Asimov - we believe that our mission can only be achieved by a diverse team that brings a mixture of perspectives to creating a future powered by engineered biology.