



## **We are looking for a software engineer to build smarter applications.**

You will lead a collaborative project interacting with researchers at the Synthetic and Systems Biology Unit of the Hungarian Academy of Sciences and the Broad Institute of Harvard and MIT. Based on two prototypes, you will build a tool that biomedical researchers around the world will use for supervised machine learning and data visualization. This software is used to “diagnose” the condition of cultured cells in order to identify the causes and cures of various diseases, especially cancer and infectious disease.

We use tools that we know and trust like Python’s scientific ecosystem (e.g. NumPy and SciPy). While Python expertise is an advantage, familiarity with other common programming languages (e.g. Java, JavaScript, and Ruby) is sufficient. We’re looking for an engineer who understands that simplicity and reliability should be carefully calculated. We’re a collaborative team that genuinely enjoys working together to make fantastic applications that impact the biomedical world.

Here are a few things we consider critical for success:

- You’re curious
- You’ve written applications professionally and can show us things you’ve made.
- You have professional experience with functional or imperative programming languages
- You can jump into situations without guidance and make things better
- You write understandable, testable, and maintainable code
- You’re a strong communicator and can explain complex issues to non-engineers
- You know what a good API looks like
- You possess strong computer science fundamentals (algorithms, programming languages, systems)
- You know how to build reliable/safe applications and understand the tradeoffs made when engineering a feature
- When things break -- and they will -- you are eager and able to help fix things
- You are someone that others enjoy working with due to your technical competence and positive attitude

A few bonus things:

- Academic background in computer science or similar fields
- Scientific computing experience
- Experience in a startup environment

What we offer:

- Friendly and very interactive environment with English as a working language
- An initial 2 years contract with possible extension
- Competitive salary based on your experience

Contact and application:

The project starts ASAP and will mainly be based in Hungary, Szeged. Send a note describing your interest together with your resume/CV to Peter Horvath (horvath.peter@brc.mta.hu). More information about us:

<https://www.broadinstitute.org/~anne>

<http://group.szbk.u-szeged.hu/sysbiol/horvath-peter-lab-index.html>