Job Posting - Statistician/Data Scientist

Hi Fidelity Genetics seeks a statistician/data scientist.

About us: Hi Fidelity Genetics is a small start up based in Durham, NC. We develop tools to measure and predict plant traits. Such tools are essential for maintaining a sufficient supply of food as the world's population grows and its climate changes.

About the job: The statistician/data scientist will wrangle data, conduct statistical analyses, and build predictive models in a variety of settings. For instance, Hi Fidelity Genetics is building an instrument to measure the structure of a plant's roots, e.g. the angle at which the roots grow. Likely tasks in this setting include distinguishing two groups using multivariate data, relating root density to sensor measurement and environmental conditions, and automatically identifying and removing outliers. In another project, Hi Fidelity Genetics is building predictive models of plant traits using genetic, environmental, and other data. Likely tasks in this setting include building, implementing, and testing models.

It is essential that the candidate

- Knows predictive modeling, including linear regression with regularization/shrinkage priors, random forests, kernel methods, and mixed models.
- Knows hypothesis testing.
- Is an expert in R and can program in C/C++.
- Works in a Unix-based environment and is familiar with tools like awk, sed, and bash.
- Can data-wrangle.

Bonus points will be given to a candidate that

- Has experience using PostgreSQL or similar.
- Has worked in bioinformatics, e.g. GWAS, SNP calling, etc.
- Is familiar with dynamic linear models and/or time series.
- Is familiar with experimental design.
- Knows other programming languages, e.g. Python.
- Has used cloud-computing services for data analysis.

Please send a resume, a portfolio or a link to your portfolio on Github or similar, and a *short* cover letter (in plaintext) explaining why you are a good match for this job to jobs@hifidelitygenetics.com. If selected we may ask for additional information, like recommendations.