PredictionHealth
Data Science Intern; Software Developer Intern
Nashville

About
PredictionHealth has built a service that runs in a web browser on a doctor’s laptop. Doctors click start when they start talking to patients and we turn the audio into the summarized note that records their work and that they submit for payment. This saves them 2-hours per day and frees them up to focus on their patients.

We hope to eventually use this doctor-patient conversation dataset to help prevent doctors from making mistakes, deliver better more efficient patient-care, and later build an AI-doctor.

Our service helps doctors provide better care to their patients every day. Interns will get to work at a mission-driven startup where the primary goal is to help bring doctors and AI together for better, more efficient patient care. We are a small but growing startup with direct reporting to MD/Ph.D. co-founders as well as many opportunities for high-paced experiences, rapid advancement, and potential long-term positions. Each previous intern was able to learn and implement valuable features and infrastructure across multiple high-impact technologies (e.g. React/Redux, testing, speech-to-text processing, TensorFlow, and state of the art natural language processing) and gain experience with various cloud services. Previous successful interns were promoted to year-round positions.

Intern roles and responsibilities

1. Data analysis / Data science:
   There is a continual and significant influx of data on both clinician usage, human curation workflows, and patient care and outcomes data. We are a highly data-driven company and data processing, organization, and visualization are key to business decisions and daily operations. Interns in this role would have the opportunity to process and evaluate datasets of significant value along with resource datasets used for machine learning model development and natural language processing tasks.

2. Software Developer (backend and/or frontend):
   Opportunities for both frontend and backend development are available. Frontend development will revolve around designing and rapidly prototyping user features to address key business concerns along with efficiency metrics. Backend work will involve a scalable continuous integration / continuous development platform and various potential cloud services.

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**Required qualifications**

1. **Data analysis / Data science:**
   Significant experience with scripting languages such as Python, databases e.g. SQL / MongoDB, machine learning (TensorFlow, PyTorch, or sklearn) and basic statistics. Good communication skills and the ability to rapidly execute end-to-end and iterate on partial solutions to improve them over time as necessary.

2. **Software Developer (backend and/or frontend):**
   Significant experience in C-based languages (e.g. Golang, JavaScript, C++), scripting languages such as Python, and JavaScript-based frameworks and/or Golang or other C-based languages. Good communication skills and the ability to rapidly execute end-to-end and iterate on partial solutions to improve them over time as necessary.

**Preferred skills**

Previous healthcare experience (e.g. shadowing in medical clinics, scribing for medical professions, premedical courses, etc.) is desirable but not required. Additionally, experience with web development, QA/testing infrastructure, and git are valuable but promising candidates can be trained on the job.