Industry Host Posting

Position Title: Computer Vision Fellow

Company	VideaHealth
Company Department	Start up
Project Location	Cambridge/MIT Innovation Labs
Term of Project	1 year (12 months)
Expected Effort on Project	Flexible
Targeted Start Date	July 1, 2019

Summary of Role

VideaHealth is a well-funded early stage startup which develops software to automatically detect pathologies in dental imaging. We're currently working with multiple institutional partners and dental organizations to help dentists avoid missing diseases and effectively communicate treatment recommendations to over 210 million patients. Our research shows that dentists miss up to 50% of pathologies in dental x-rays. Our first product, DentistAI, increases revenue for dentists and reduces health risks for the patient in a $134B US industry.

Main responsibilities include:
- Extensive experience in ML/deep learning, computer vision and traditional ML algorithms
- Experience with main stream machine learning frameworks (e.g., pytorch, tensorflow, caffe)
- Strong programming skills in Python and C++, and experience working in UNIX/LINUX environments
- Ability to work and manipulate large amounts of data
- Thinking in terms of long-term vision, but also approaching new experiences with a pragmatic outcome-oriented mindset
- Previous experience in medical imaging and Dicom standard is a plus but not required

Additional Skills/Expectations *(examples)*
- Fellow will build algorithms from scratch to Regulatory approval and deployment in the field which entails data gathering, cleaning, designing machine learning architectures, fine tuning, working with clinical and regulatory staff and conducting clinical efficacy studies.
- Fellow will work with software engineers, product managers and UX/UI designers in deploying the algorithms in the field and gather real-world clinical feedback.
- Fellow will work under the direct supervision of VideaHealth's VP of AI and the CEO.

Preferred Credentials/Qualifications
- PhD with more than 2 years post doc
- Medical Imaging experience is key
- Scientific Programming experience