



Speech Technologist @ Voice Tech Startup!

Location: Belmont, MA

Available: Immediately

VocaliD is a voice technology start-up that is bringing speaking machines to life by creating personalized digital voices. Our award-winning technology is grounded in over a decade of research at Northeastern University and has enabled us to attract Small Business Innovation awards from the National Science Foundation and the National Institutes of Health. We successfully delivered a set of beta voices in 2015 and have a waiting list of pre-orders through our oversubscribed crowdfunding campaign. We are now seeking an experienced research-based speech technologist to join our team as we launch our personalized voice service in mid 2016.

Communications applications and devices are getting smarter and using more sophisticated AI, yet the voices remain robotic and unnatural. Until now, the cost and time to build a custom voice has been prohibitive. VocaliD creates personalized digital voices at scale for use on any device that speaks. Our proprietary voice search and speech blending algorithms leverage our “Human Voicebank”, a collection of 3.5 million of recordings crowdsourced from around the world. Our breakthrough is that we only need 2-3 seconds of someone’s voice to (re)create a voice when combined with recordings of a matched speaker from the Voicebank. Our initial market addresses the 10M+ people worldwide who use a machine to speak. VocaliD enables these individuals to speak in their own voice instead of the familiar “Stephen Hawking” voice. Join our dynamic team as we push the envelope on innovation while having real social impact!

Responsibilities:

- Create tools for filtering and parsing recorded voices
- Implement machine learning algorithms to match donor and recipient voices
- Enhance source-filter separation and voice conversion algorithms
- Design and implement novel algorithms for tracking and monitoring speech changes
- Create a framework for algorithmic synthesis of voices from donor samples
- Implement a SaaS framework for voice deployment

Required Qualifications:

- MS or PhD in Electrical or Computer Engineering, Computer Science or related field
- Experience programming in C/C++, Python, Java
- Experience productizing algorithms from prototypes in Matlab (or other)
- Experience with Digital Signal Processing and ideally speech/voice technologies
- Experience with AWS services EC2, S3, RDS (Postgres), Route 53
- Experience with Windows and Linux

If you are interested in joining a thriving and passionate team, please submit a cover letter and resume to rupal@vocaliD.co

Visit us at www.vocaliD.co for more information about VocaliD.