Starkey Hearing Technologies is a medical devices company with more than 6,000 employees and operations in more than 100 countries worldwide. Starkey is looking to hire great talent to join our Advanced Development center in Tel-Aviv that will focus on redefining medical wearable devices with advanced sensors and artificial intelligence technologies.

Responsibilities

The Machine Learning Engineer primary objective is to lead, participate in, and support development and integration to introduce new innovative capabilities and technologies to Starkey's products and services. The Machine Learning Engineer will take on major initiatives that clearly impact Starkey's business and collaborate with multiple groups as well as external companies and academia.

The Machine Learning Engineer must be a strong, hands-on, engineer who loves technology and enjoy working in a high-pace dynamic environment. She/He must possess high-level technical expertise, creativity and internal drive, and is capable of working on loosely-defined tasks.

Job Requirements

Education:

B.S + 4 years in Computer Science, Electrical Engineering, Biomedical Engineering or related fields, or M.S. + 2 years, or PhD years

Experience:

- At least 2 years of algorithms development and practical experience in the field of Machine Learning and Signal Processing development
- Understanding of machine learning and deep learning models and data analysis.
- Experience with Python is required
- Experience in C/C++
- Experience with TensorFlow / Pytorch frameworks
- Knowledge in building and implementing algorithms for real-time applications.
- Knowledge and experience in the following is a strong plus:
    - Experience with Big Data technologies - Hadoop / Firestore / BigQuery
    - Knowledge of audio signal processing
    - Experience in MATLAB.
    - Knowledge of embedded firmware development process
    - Knowledge of architecture of programming devices such as DSPs and Micro-controllers.

- Keeping up with latest research and top industry standards and the ability to learn quickly new technics and tools is essential for this position.

Skills & Abilities

- Enjoy working in a startup-like fast-paced dynamic environment.
- Great interpersonal skills
- Good oral and written communication skills.
- Ability to work effectively in a small team and individually.
- Proven ability to perform complex engineering analysis and calculations in problem solving and troubleshooting
- Must be self-motivated and able to work with minimal guidance to make decisions and report progress
- Proven record in working on innovative/creative projects at work or spare time is a plus
- Beyond existing skills, the ability to learn quickly new skills and domains is essential for this position.

Approach and Deployment (What to Do & How to Do It)

1. Lead or participate in new initiatives and rapid prototyping for current and future products.
    1.1. Design, and implement algorithms to support new initiatives and prototypes.
    1.2. Lead or participate in the development of new features on various platforms including DSP, PC, mobile, wearables, cloud, and more
    1.3. Provide technical support to project team members.
    1.4. Create and document the algorithm design and implementation
2. Interact with potential partners, other functional groups, and customers regarding future products on a regular basis.
    2.1. Facilitate communication between Advanced Development and other functional groups.
    2.2. Work with outside companies and experts.
    2.3. Coordinate and guide the rapid prototyping activities and work with the manager to prioritization
3. Apply technical expertise to develop high quality Machine Learning systems and algorithms.
    3.1. Utilize technical knowledge to architect and implement prototypes and products.
    3.2. Develop projects by working alone or by technically leading engineers.
    3.3. Understand and participate in establishing requirements
    3.4. Create and contribute to system level design and architecture.
4. Provide technical leadership in R&D and Advanced Development activities
    4.1. Serve as a technical point of contact for Machine learning and Algorithm research
    4.2. Participate in and contribute to the research and development activities such as design reviews, conferences, competitive analysis, patent reviews, etc.
    4.3. Assist with training of new employees and teammates