

RESEARCHER, ALGORITHM PRODUCTS

About Fossil

FOSSIL Vietnam (formerly Misfit) is one of 59 offices under FOSSIL Group worldwide. Before joining FOSSIL, Misfit was a US high-tech company creating wearables and smart-home products, with an R & D and operations office based in Vietnam. In November 2015, Misfit got acquired and has since then become part of the FOSSIL Group's portfolio of brands, standing aside world-renowned brands including FOSSIL, Michael Kors, Burberry, Emporio Armani, Diesel, Adidas, DKNY and among others.

As one of the top 3 largest watchmakers in the world, FOSSIL Group is selling over 50 million watches and accessories a year in more than 150 countries. With the presence of Misfit, FOSSIL will be working towards offering a broader spectrum of connected devices that target fashion-conscious consumers, and aiming at leading the convergence of style and technology.

Technology-forward Strategy

Fossil Vietnam positions itself as **the Center of Excellence for Wearable Research & Development of Fossil Group Inc.**, and will power a wider array of connected devices.

At FOSSIL Group, people are our most valuable asset. With that mission at hand, we will remain a place where innovation flourishes, where world-class talents get leveraged, and where people come together to make greater products and tell greater stories.

WHAT YOU'LL BE RESPONSIBLE FOR

- Be responsible for algorithm research and development (e.g. including but not limited to gesture/activity recognition) as well as validating these algorithms to make sure they work as intended
- Study research papers to leverage latest developments in health and fitness to improve and develop new features for our products
- Research new sensors and explore how they can be used to improve current algorithms
- Maintain and improve current in-house developed algorithms
- Work with Firmware engineers to integrate developed algorithm from high-level language to C/C++ in order to run on device
- Work with 3rd party providers to integrate their technology into our products. Write up validation documents in order to verify if these algorithms work as advertised.

WHAT WE NEED

- Strong knowledge in Digital Signal Processing, especially in signal filtering techniques. Need to have fundamental knowledge of different kinds of sensors (especially the ones used to capture motion signals), how these signals are affected by environmental noise and how to cope with this kind of problem.
- Have basic background in Embedded System and how to optimize algorithm (in terms of power and performance) for this kind of system
- Solid practical knowledge in Machine Learning and good understanding of the whole development cycle of a machine learning problem
- Strong background in the field of Statistic and Probability

- Strong programming skill (preferably MATLAB) in any programming language (candidate can pick the language of their choice in interview)
- A curious and innovative mindset. Always want to explore, learn something new and apply this new knowledge to continuously improve company products.
- Analytical and problem-solving skills
- Excellent communication skills

IN RETURN WE OFFER

- Meaningful work and passionate colleagues.
- Subsidies for: cell phone, fitness, health insurance.
- Plenty of food, all the time.
- Jerk-free, ego-free environment.
- A commitment to make your time with us the most transformational time in your career to date.
- Personal and professional development opportunities (workshops, English classes, training programs, etc.) that will keep you busy with learning and immersing yourself in meaningful work.

Please send your email to people@fossil.com