

# Founding Engineer (ML + DSP)

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| Job Title:        | Founding Engineer (Machine Learning + Digital Signal Processing)                      |
| Location:         | London, UK (on-site)                                                                  |
| Salary:           | £40,000 to £60,000 + Equity Package                                                   |
| Start date:       | Immediately, or upon availability                                                     |
| Contract type:    | Full-time                                                                             |
| Deadline:         | Applications will be reviewed on a rolling basis until the role is filled             |
| Application form: | <a href="https://forms.gle/jn7cg14Wc7wqjADN6">https://forms.gle/jn7cg14Wc7wqjADN6</a> |

## About us

Fether Labs is building wristbands that redefine human-computer interaction. With a flick, a pinch, or a squeeze, any gesture can be programmed into a seamless command. From the mouse to the touchscreen to what has always been most natural—our hands—we're creating the next evolution of control.

At the heart of our product is a proprietary sensor technology invented at Imperial College London. Our sensors are fundamentally different – they're not electrodes (sEMG) and IMUs – they will allow us to create a natural, precise, and expansive set of interactions.

We are Jacques, Michael, and James—technical co-founders from Imperial College London. We are building a team to redefine how humans interact with technology. If you're interested in joining us, please apply; and if you have any questions, contact James at [james.choi@fetherlabs.com](mailto:james.choi@fetherlabs.com).

## The role

We're looking for an ambitious Founding Engineer who thrives in high-intensity, high-impact environments. You'll be leading the development of algorithms.

This role will involve processing the signals coming from our proprietary sensors and developing algorithms to detect and classify gestures. In addition, you will be working closely with the hardware team to provide feedback on the signal quality and characteristics. As we are a startup, we anticipate that you will be involved with many other aspects of the company, such as user data collection, firmware and software development kit (SDK) development, and more.

## Key responsibilities

- Lead algorithm development, inclusive of signal processing and machine learning approaches.
- Collaborate with the Hardware Team to provide a seamless integration of hardware and software.
- Engage in research and development activities to explore new products and product features.
- Deploy the algorithm at a commercial grade level.

## Essentials (these are minimum requirements)

- Excellent knowledge and skills with digital signal processing and machine learning.
- Proven experience in deploying production-ready algorithms.
- Flexibility to take on many different roles, as needed in a fast-growth startup company.

## Desirables (we do not expect you to have all of these)

- Have previously deployed machine learning models to the market with great success.
- Expertise in firmware engineering.
- Experience with Nordic Semiconductor chips.
- Experience in SDK and API development.

## What We Offer

- The opportunity to lead algorithmic development in a fast-growing tech startup.
- We have invented a proprietary sensor that you will have exclusive access to build products for.
- Exposure to the full product lifecycle, from concept to manufacturing.
- £40,000 to £60,000 + Equity Package