



# Job Description

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**Position Name :** Engineer, Pen Engineering (Firmware Engineer)

**Organizational Unit:** Technology Solutions

**Location:** Hsinchu (新竹縣竹北市復興三路二段 168 號 8 樓之 5 室)

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## **Job Purpose**

Looking for talented individuals who enjoy creating firmware for microcontrollers, prototyping concepts, investigating new technologies.

## **Key Responsibilities:**

- Proceed Human Interface Device (HID) firmware development.
- Quickly debug and effectively close out system issues related to your firmware.
- Write clean, easy to understand, robust, and sustainable code tailored for embedded systems and/or test platforms.

## **Qualifications:**

- Solid C or C++ coding ability for Embedded Systems
- Experience working with microcontrollers with analog and digital sensors
- Proven capability in applying coding best-practices to firmware designs
- Working knowledge of one or more communication protocols (e.g., UART, I2C, SPI, Bluetooth, USB, Ethernet, BLE,NFC)
- Proven board bring-up and debug skills
- Strong communication and collaboration skills