



Firmware Engineer I

Sunstone Engineering R&D Corporation
1693 W. American Way, Unit 1
Payson, UT 84651

Phone: 801.658.0015

sunstoneengineering.com

Sunstone Engineering is a rapidly growing original equipment manufacturer of precision micro-welding equipment. We are a fast-paced engineering organization with a focus on new products using technologies such as embedded control systems, LCD and touch screen interfaces, USB and Ethernet communication, and high power control circuitry. The design and manufacturing of all our equipment is in-house, so this position provides full exposure to, and involvement in, the technologies and processes of research and development of micro-welding products.

At Sunstone, we provide jewelers, manufactures and dreamers the equipment they need to make the world a better place. Our products include Laser, Pulse Arc, Capacitive Discharge, AC, and Hot Bar Reflow welding systems. These products are used by prestigious organizations like Apple, NASA, MIT, GE, HP, Lockheed Martin, Boeing, and many others.

Job Requirements:

- Bachelors of Science in Computer Engineering or Bachelors of Science in Electrical Engineering
- Focus in firmware and 1-2 year(s) experience
- Experience with Embedded C
- Experience with Micro-controllers (Specifically PIC and PSOC chips)
- Experience with RTOS (we use FreeRTOS)
- Read and understand circuit schematics and PCB layouts
- Ability to work both as a member of a team and independently based on the project requirements
- Ability to implement simple and well-designed solutions
- Ability to mentor others and be mentored by others
- A strong work ethic and committed to seeing tasks through to completion

Preferred Skills (but not required):

- Ethernet stack
- Ethernet/IP or Modbus TCP
- Experience with Java (Android App Development)
- Experience with ECAD (we use Mentor Graphics PADS)
- Experience with the Atlassian Suite (JIRA, Confluence, SourceTree), as well as Git or other source control
- Experience with Linux Servers

What you will be doing:

- Planning and implementing new firmware
- Tracking down bugs in both firmware and hardware
- Providing technical assistance to support and sales
- Designing and reviewing PCBs
- Setting your own direction and deciding task priorities

Benefits:

- Salary: \$55,000 – \$65,000 / year
- 15 days of Paid Time Off + 10 paid holidays
- Health insurance/Vision/Dental + \$25/month towards Life Insurance
- Simple IRA with 3% contribution company match
- 40 – 45 hour work week

To apply send your application to engineeringjobs@sunstonewelders.com. Be sure to include your name and the position in the subject line. You will be more likely considered if you tell us the details of an applicable project that you have worked on in the email.

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