SPACEDIRT

🚀 Electrical Engineer (Part-Time) – SpaceDIRT

📍 *Remote-first, Canadian-led, Planetary-focused*

🕐 *6-10pm, or whenever inspiration strikes*

🪐 *Incentive based, rich in purpose and possibility*

Not getting what you want out of your 9–5?
Tired of debugging coffee machines instead of robots?
Join SpaceDIRT and help build the next generation of space tech.

We're a build focused startup on a mission to make space-worthy drilling and rover equipment using off-the-shelf components and practical design. We're building and testing real hardware today — and could use another brain (and set of hands) to make it happen.

We're looking for **part-time electrical engineers** who want to make **oversized contributions** toward humanity's ability to explore, survive, and build beyond Earth.

🔧 What You'll Work On

- Prototyping robust power and control systems for autonomous rovers and drilling rigs

- Designing PCBs for motor control, power distribution, or telemetry

- Testing high-voltage DC setups and battery systems (Mars-capable, but Earth-tested)

- Troubleshooting, iterating, building, and learning — with a team that's doing the same

- Designing electrical systems rated for low-pressure and sub-zero environments (think Mars at midnight)

- Integrating power systems with solar charging, battery heating, and thermal control loops

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👩‍🚀 About You

- You're an electrical engineer or an experienced tinkerer with circuit design and debugging chops

- You know your way around microcontrollers (Arduino, Jetson, or similar), motor drivers, and power electronics

- You're curious about real-world limitations of COTS parts in space-adjacent environments

- You care about space, off-grid tech, or building things that last in harsh environments

- You're okay trading some free time for a big stake in something bold

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🛰️ **What We Offer**

- A chance to work on *real* space-adjacent tech — no PowerPoints, all prototypes

- A collaborative crew of mechanical/electrical/software engineers building cool kit

- Potential for future equity, pay, or full-time work as we grow

- Your name on serious tech that might one day dig into another planet

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Sound like your kind of mission?

Shoot us a message with a bit about yourself, your skills, and a project or two you've worked on. GitHub, Hackaday, or pictures of your workshop welcome.

🔭 Reach us at shaun.riddell@spacedirt.ca

🌐 Learn more at spacedirt.ca