



# Jaylen Callahan

## Electrical Engineering Co-op

### Contact

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Recruiting Team  
RioT Innovations Inc.  
Victoria, BC

Dear Recruiting Team,

I am eager to apply for the Electrical Engineering Co-op at RioT Innovations Inc. This position resonates with my educational path and aspirations. Growing up, I tinkered with gadgets, finding joy in creating functional designs. Crafting soil moisture sensors excites me.

Focusing on soil moisture sensing aligns with your mission for environmental technology. I have collaborated with professors on circuit designs, blending digital and analog elements. My hands-on circuit experience contributes real outcomes, as I aided in PCB layouts and the development of embedded C firmware.

During a recent project, I faced testing challenges, often questioning my solutions. Yet, utilizing oscilloscopes and DMMs, I learned to troubleshoot effectively, enhancing designs gradually. Also, analyzing data using Python helped me make actionable insights for our team.

My summer internship involved developing solar project subsystems and hands-on lab work. I gained invaluable skills in circuit design through team collaborations. Experiencing failures taught me resilience; I believe this attitude will serve well at RioT.

Looking forward to discussing this opportunity further.

Thanks,

*Jaylen Callahan*

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