

## Job Posting:166331 - Position: S25 Firmware Engineering Intern 166331 E1

**Co-op Work Term Posted:** 2025 - Summer  
**App Deadline** 02/04/2025 09:00 AM  
**Application Method:** Through UBC Science Co-op  
**Posting Goes Live:** 02/04/2025 10:47 AM  
**Job Posting Status:** Expired

### ORGANIZATION INFORMATION

**Organization** Daanaa Resolution Inc.  
**Address Line 1** 250-339 Railway Street,  
**City** Vancouver  
**Postal Code / Zip Code** V6A 1A4  
**Province / State** British Columbia  
**Country** Canada

### JOB POSTING INFORMATION

**Placement Term** 2025 - Summer  
**<b> Job Title <b>** S25 Firmware Engineering Intern 166331 E1  
**Position Type** Co-op Position  
**Job Location** Vancouver, BC  
**Country** Canada  
**Duration** 8 months  
**Salary Currency** CAD  
**Salary** 19.0 per hour for 0 Major List  
**Salary Range \$** \$19-22/hour  
**Job Description**

#### About Us

Daanaa is a Vancouver-based fabless power electronics and semiconductor company on a mission to revolutionize power electronics in applications operating at and below 1,500 Volts (1.5 kV). The Company is in the early commercialization stages of deep tech power conversion and control technologies, offering innovative solutions to OEMs in multiple industries, including solar energy, electric vehicles, and data centers.

Daanaa's value is derived from its transformative Power Transaction Unit (PTU) that consolidates power electronic functions-from bi-directional conversion and amplification to management, transfer, diagnostics, and control-onto a single, high-power-density, high-efficiency, low-profile, scalable, reliable, and safe module. At Daanaa, we are building a world of Energy Untethered™

We are growing here at Daanaa and we're looking to add a Firmware Engineer Intern to join our team to support product firmware through development, testing, and verification. In this role you will be working with our Hardware and Firmware teams, and will learn about how embedded products are designed, built and tested. We are a small team - and you will be a full member of that team, with all the expectations and opportunities that come with that.

This role will be a 8 month internship starting from May 5, 2025 - December 31, 2025. The salary range for this role will be between \$19-22/hour.

#### What you'll be doing:

- **Engineer Firmware Solutions:** Use your C and Python coding skills to develop innovating solutions for a variety of power electronic applications
- **Automated testing:** Work with Sr. Engineers to create test infrastructure for new products. This includes test fixtures, developing

in-depth knowledge of all required lab equipment, understanding test plans, automating the test set up, and then running the tests themselves.

- Board and System Development:** You will develop code to validate that Daanaa's devices meet specific hardware and behavioural requirements. You will get an opportunity to learn and see in real time how Daanaa's products come to life!

- Project Monitoring:** Work with the entire product team to understand and report on how we are executing against plan. You will learn how engineering development plans are put together, tracked, and how to address challenges along the way.

#### **Why we're great to work with:**

- We help each other succeed - we all have a part to play, and we know that our individual success influences company success. Daanaa is just as committed to your career growth as it is to achieve its own company growth. We see these as mutually inclusive.

- Our work environment is filled with high-quality, driven individuals where everyone is a dedicated, engaged, and accountable decision-maker.

- We love what we do and consider Daanaa a strong competitor for the all-around best start-up environment: creative, educational, challenging, and united towards the positive change that our tech can create.

- We're a diverse bunch! From our skillsets and expertise to the places that we have come from. Our expertise includes innovations in electrical and mechanical engineering disciplines, and a collection of business disciplines at varying experience levels. In our team of 22, we speak 15 languages and have lived in 47 countries... seems crazy? Ask us!

- Daanaa workdays begin and end by our values: curiosity, trust, hungry, accountability.

#### **Values:**

- **Curiosity:** We are naturally curious people who believe that the answer to a question should be followed by asking "why?". Our office is often filled with enthusiastic discussions about the latest books, podcasts, or documentaries we consumed.

- **Hunger:** We joyfully choose to be here every day because we are driven with ambition by the difference we make.

- **Accountability:** We follow through, are precise about our aim, manage our resources wisely, bravely own our mistakes, and report honestly.

- **Trust:** The foundation of our teamwork is trust. With trust, we communicate freely, have compassion for each other, and work and live with everyone's best interests at heart.

#### **Daanaa is for you if:**

- You value professional and personal growth at all levels of an organization.

- You are looking for internal advancement opportunities as a high-performing individual.

- You are looking to experience working in a fast-growth start-up in Vancouver's high-tech sector.

- You desire to work alongside a team of passionate and experienced team members.

- You have big goals. We aren't for the faint of heart.

**Daanaa Resolution Inc. is dedicated to helping its employees grow and develop technical and soft skills in an innovative and collaborative environment. Daanaa is an equal opportunity employer with an inclusive culture. We thank all applicants in advance for their interest, however only those selected for an interview will be contacted.**

Contact: [careers@daanaa.com](mailto:careers@daanaa.com).

#### **Job Requirements**

You should apply if...

- You are currently pursuing a bachelor's degree in electrical engineering, computer engineering, mechatronics, or engineering physics.

- You have experience coding in Python and in embedded C.

- You are a natural problem solver who is excited by being hands-on with electronic circuitry and bringing hardware to life.

- You have strong communication skills. You value building your own understanding and the understanding of others and can communicate effectively within a team.

- You feel great when things are organized! You organize, document, and track things in an efficient and productive manner.

- You have laboratory experience and comfortable working with lab equipment like oscilloscopes, spectrum analyzers, function generators and power sources.

**Citizenship Requirement** N/A

## **APPLICATION INFORMATION**

**Application Procedure** Through UBC Science Co-op

**Cover Letter Required?**

Yes

**Address Cover Letter to**

Nicholas Fong