

## Job Posting: 189963 - Position: Smart Blind Designer

**Co-op Work Term Posted:** 2020 - Fall  
**App Deadline** 08/17/2020 10:00 AM  
**Application Method:** Employer Email  
**Posting Goes Live:** 08/10/2020 03:44 PM  
**Job Posting Status:** Approved

### ORGANIZATION INFORMATION

**Organization** Solar-Ventures Research Corp  
**Division** Victoria Office

### JOB POSTING INFORMATION

#### Special Job Requirements

**Work Duration: 8 months** (An 8 month employment period is registered as 2 separate, consecutive work terms)

Please **ONLY** apply if you are available for 8 months, and state your availability **CLEARLY** in your cover letter.

**For Engineering Undergraduate Students:** Before applying to this posting, it is your responsibility to have completed the appropriate pre-requisite courses for this length of work term, and to understand how this length of work term affects your academics. If this means you will be registered in a 5th or higher work term, the full co-op tuition fee (equal to two installments) will be charged for each additional work term above the mandatory four. See links below for more details.

- Engineering Tuition - installments (two installments per work term). <https://web.uvic.ca/calendar2019-09/undergrad/info/tuition/engineering-tuition.html>
- Undergraduate Tuition - the complete co-op fee (for those doing a 5th or higher work term). <https://web.uvic.ca/calendar2019-09/undergrad/info/tuition/undergrad-tuition.html>

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**Students are urged to apply a.s.a.p. to this opportunity. The company does not wait until the Learning In Motion closing date to begin reviewing applications; rather, they review apps as they appear. The earlier you apply, the better!**

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\* You are also required to click "**EXPRESS INTENTION TO APPLY**" for this posting if you are submitting an application to their online portal

**Co-op Work Term** 2020 - Fall  
**Position Type (Disclaimer: not all types available in all programs)** Regular Co-op, Full Time  
**Co-op Work term Duration** 8 Months Full Time (2 Work Terms)  
**Job Title** Smart Blind Designer  
**Job Location** Victoria  
**Region** BC-Victoria (Capital Region)  
**Number of Positions** 2  
**Work Abroad** No  
**Job Description**

Solaires Entreprises Inc. is a clean tech company located in Victoria BC operating under the name Solar-Ventures. Solar Ventures consists of a diverse team of scientists, engineers, marketeers and clean energy enthusiasts united for one common goal: develop

the next generation of solar cells. We've developed a patent pending solution that includes the production of photovoltaic blinds that will help office building tenants meet energy efficiency requirements by producing clean energy, reducing glare and controlling heat gain and loss.

\*For more information please go to [www.solar-ventures.com](http://www.solar-ventures.com) .

#### **Job Description:**

We are looking for 2 coop students who can contribute to our project. The team members are expected to perform literature review, modeling and simulation, and data analysis on design and integration of a smart system in photovoltaic blinds that can track the sun, find the best blind orientation for energy generation during the day and report the amount of energy generated. The team will work under the supervision of the Design Engineer and Product Design Manager.

The team can help our company develop the project by completing the following tasks:

- Research on system design for smart windows
- Research on integration of smart systems to photovoltaic window coverings
- Research on methods of live data collection and demonstration
- Modeling and simulation
- Cost analysis for different systems and components

#### **Qualifications**

##### **Knowledge and Skills**

- Strong research skills
- Modeling and simulation skills
- Basic knowledge about electronics and circuit design
- Strong teamwork skills

##### **Academic Requirements**

- Bachelor's or Master's degree in Computer Science, Electrical or Mechanical Engineering or related fields.

##### **Additional Qualifications:**

Please note that this position is partially funded by Federal funding and the funding program requires that students be:

- Under 30 years of age
- A Canadian citizen, Permanent Resident or have refugee status in Canada.

**For relevant employers as defined by the BC Criminal Review Act: Will this position require a co-op student to complete a Criminal Records check?**

No

**Minimum Academic Year Completed**

1

**Minimum Work terms Completed**

0

**Are there any restrictions that would hinder hiring of non-Canadian students with a valid work permit?**

Yes

## **APPLICATION INFORMATION**

**Application Procedure**

Employer Email

**If by Email, send to**

[adam.d.bruce@solar-ventures.com](mailto:adam.d.bruce@solar-ventures.com)

## **Additional Application Information**

### **Additional Qualifications:**

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**All Degrees and Disciplines**      No