

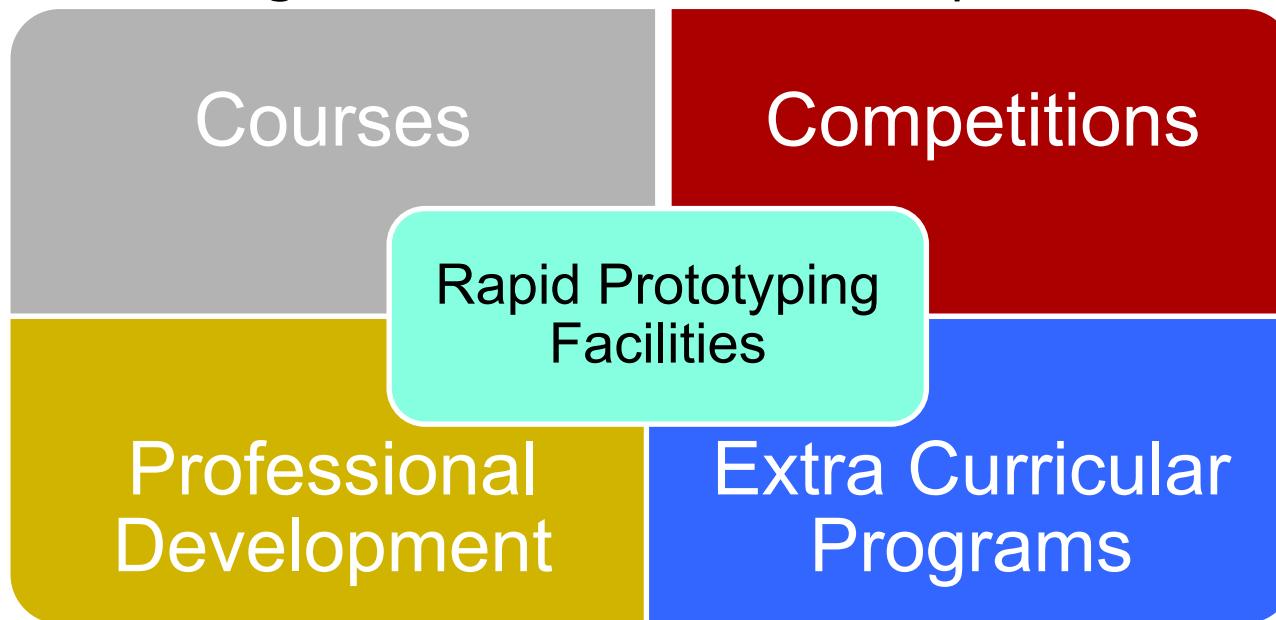
## CEED Volunteer Program

- What you need to know

Presented by: Stephanie Chiarotto

# Why am I here? What is CEED?

- CEED = Center for Entrepreneurship and Engineering Design
- Offers an opportunity to develop entrepreneurial and engineering design skills through both education and experience



# Prototyping Facilities



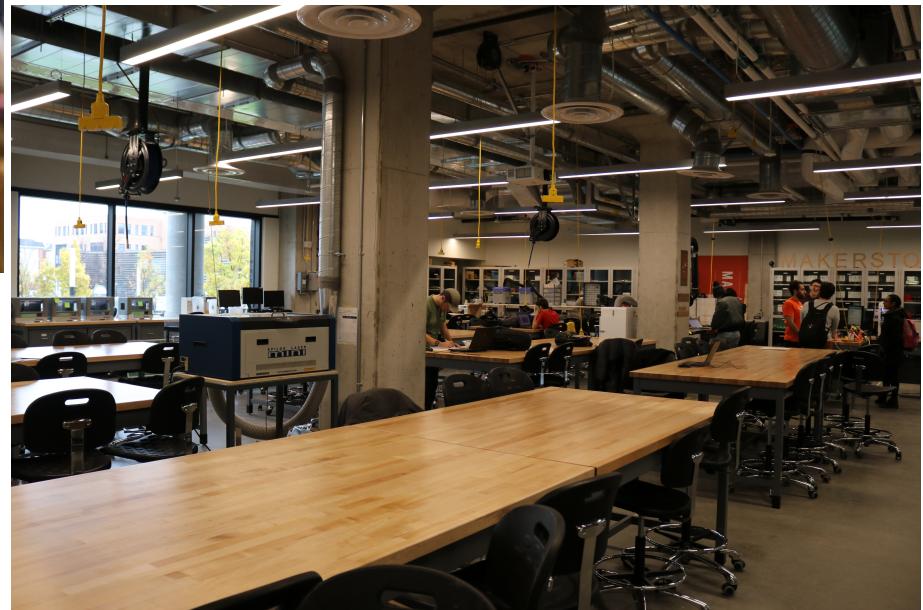
ALIMENTÉ PAR  
**CGEC** | **CEED**

POWERED BY

# Richard L'Abbé Makerspace



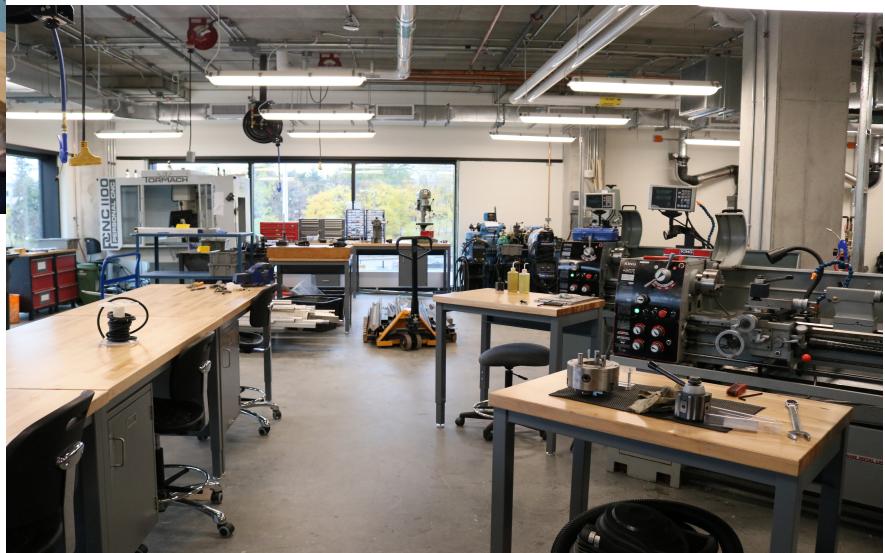
- Feature 3D printers, VR, 3D scanners, embroidery machines and laser cutters.
- Open to community on Sundays



# The Brunsfield Centre



- Students can design, fabricate and test complex prototypes
- Machine shop equipment includes lathes, mills and CNC



# So why should I volunteer?

- Networking opportunity
- Learn new technical skills and develop existing ones
- Rewards!
- Opportunities for future employment
- Co-curricular record
- Earn course credits

# Wait, what kind of skills will I learn???

- Machine Shop Skills
  - Shop Fundamentals
  - Mill
  - Lathe
  - Welding
  - CNC
- Maker Skills
  - 3D Printing
  - Arduino
  - Laser Cutting
  - Virtual Reality
  - Embroidery
  - Soldering

# Okay this sounds cool, can I start tomorrow?

- Attend the 3D printing workshop and the Basic Machine Shop training
- Sign up for these events on



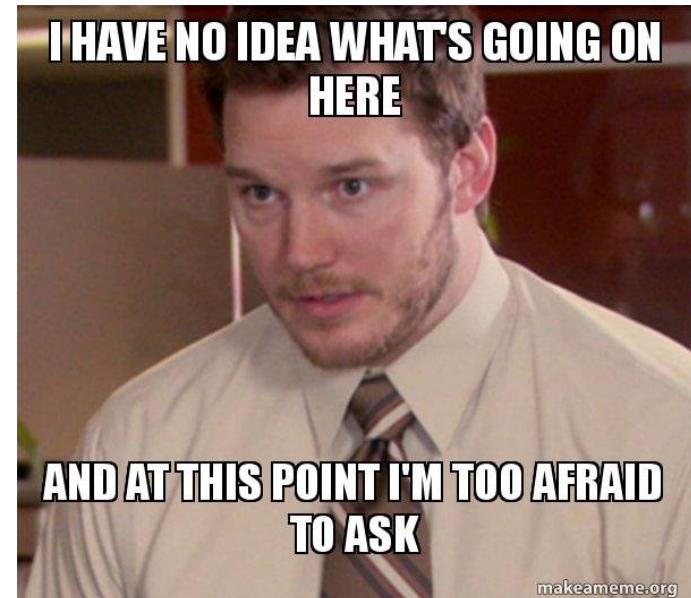
# Eventbrite

<https://www.eventbrite.ca/o/the-manufacturing-training-centre-8474302765>

<https://www.eventbrite.ca/o/latelier-makerspace-richard-labbe-uottawa-uottawa-richard-labbe-makerspace-6930970537>

# But I've done these trainings before!

- If you completed the training within a year at uOttawa and have been actively using the skill you learned, you don't have to complete the training again
- Always good to have a refresher if you aren't feeling completely confident



# Alright, so now I'm done those trainings can I start???

- Yes! The first step is shadowing with staff
- 6 hours in Brunsfield, 6 hours in Makerspace
- Get to know CEED and its spaces through hands-on experience



# So now that I'm done these trainings/shadowing, I'm the boss now right?

- Sadly no 😞
- Always introduce yourself as a volunteer for CEED when you enter one of the spaces
- Be attentive and friendly
- Ensure that you remember equipment safety and are following protocol
- Don't be afraid to ask for help



# What am I actually going to be doing though?

- Helping out in the spaces during open hours
- Events
  - Homecoming
  - Makercon
  - Design Day
- Workshop help
- Various projects for the spaces



# The Master Plan



Centre for Entrepreneurship and Engineering Design



Volunteering



Courses



Employment

## Makerspace:

- 1.5 hours: Basic 3D Printing

## Brunsfeld Centre:

- 3 hours: Basic training

- Shadowing: 6 hours Makerspace and 6 hours Brunsfield.
- 1.5 hours: Laser cutting
- 1.5 hours: Arduino
- 3 hours: Mill
- 3 hours: Lathe
- Two intermediate level badges from the list of skills

- 10 hours/week

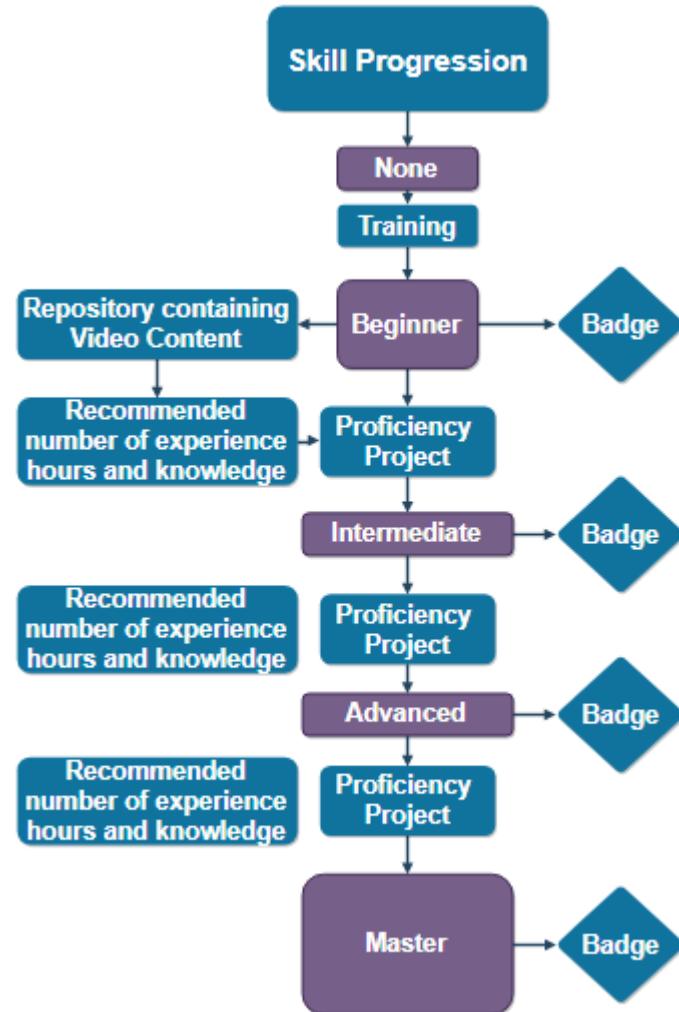
- Advance badge in each skill of the facility of your choice (through projects)

The different proficiency level badges and the trainings will offer you an opportunity to find employment opportunities with the Centre for Entrepreneurship and Engineering Design (CEED) and other organizations.

CEED hires over 50 students every term in addition to 15 TAs for the courses.

# So how do I “level up”?

- Tree for every skill
- Repository
  - Videos/Documentation
  - Continued Learning
  - Self Teaching
- Recommended\* hours and knowledge
- Proficiency Projects
- Badge for every level earned



# You said something about rewards? Tell me more...

- CEED Credits (CC) points
- Tasks will give you points
- Points will convert to Makerstore gift cards
- Track volunteer hours
- Hands on learning
- Course credits
- Employment



# Where can I sign up????

- Makerepo!
  - <http://volunteer.makerepo.com/index.html>
- Make an account, then sign up to be a volunteer on the home page
- Training resources
- Track hours

# Where can I sign up????

The screenshot shows the homepage of the MakerRepo website. At the top, there is a navigation bar with the logo "MakerRepo", a search bar, and links for "Explore", "Project Proposals", "More", "Create Project", and a user profile for "stephchiarotto". There is also a "Français" link. The main banner features a large, stylized image of a landscape with orange and red hues. The text "Welcome to MakerRepo!" is prominently displayed in the center of the banner. Below the banner, a call-to-action button says "My Profile". A red rectangular box highlights a section in the center of the page. This section contains the text "Want to be a Volunteer?", "Request it in a few clicks.", and "Interests:". It also includes a note: "Your interests and important certifications that it's not listed in your MakeRepo profile (e.g. Solidworks, Inkscape, Cura, ...)" and a green "Next" button at the bottom.

Welcome to MakerRepo!

Browse projects built using spaces provided by CEED & publish your own!

My Profile

Want to be a Volunteer?

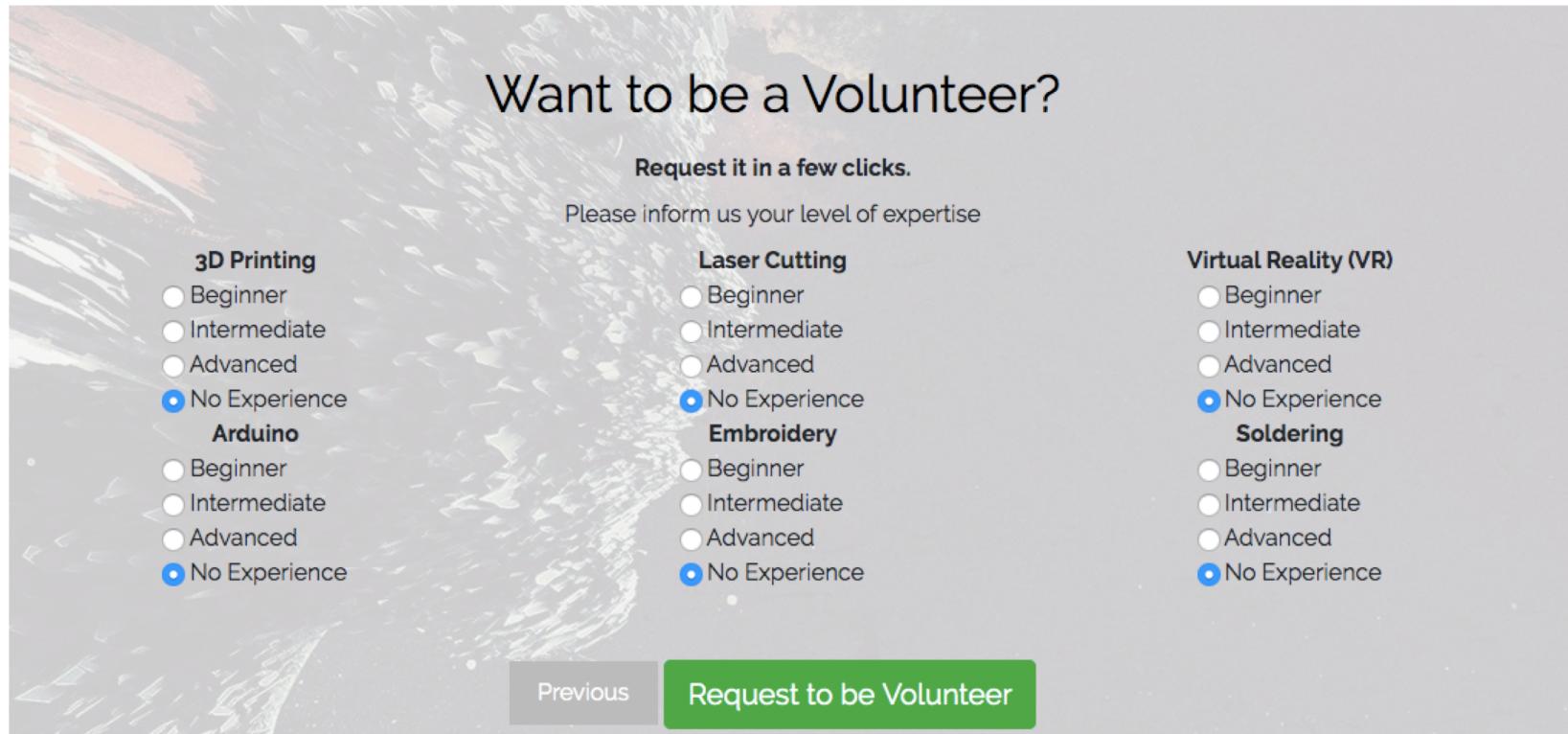
Request it in a few clicks.

Interests:

Your interests and important certifications that it's not listed in your MakeRepo profile (e.g. Solidworks, Inkscape, Cura, ...)

Next

# Where can I sign up????



Want to be a Volunteer?

Request it in a few clicks.

Please inform us your level of expertise

**3D Printing**

- Beginner
- Intermediate
- Advanced
- No Experience

**Arduino**

- Beginner
- Intermediate
- Advanced
- No Experience

**Laser Cutting**

- Beginner
- Intermediate
- Advanced
- No Experience

**Embroidery**

- Beginner
- Intermediate
- Advanced
- No Experience

**Virtual Reality (VR)**

- Beginner
- Intermediate
- Advanced
- No Experience

**Soldering**

- Beginner
- Intermediate
- Advanced
- No Experience

[Previous](#) [Request to be Volunteer](#)

# Where can I sign up????

MakerRepo

Search  Explore Project Proposals More Create Project  stephchiarotto | Français

Volunteer Area

Welcome to the Volunteer Area

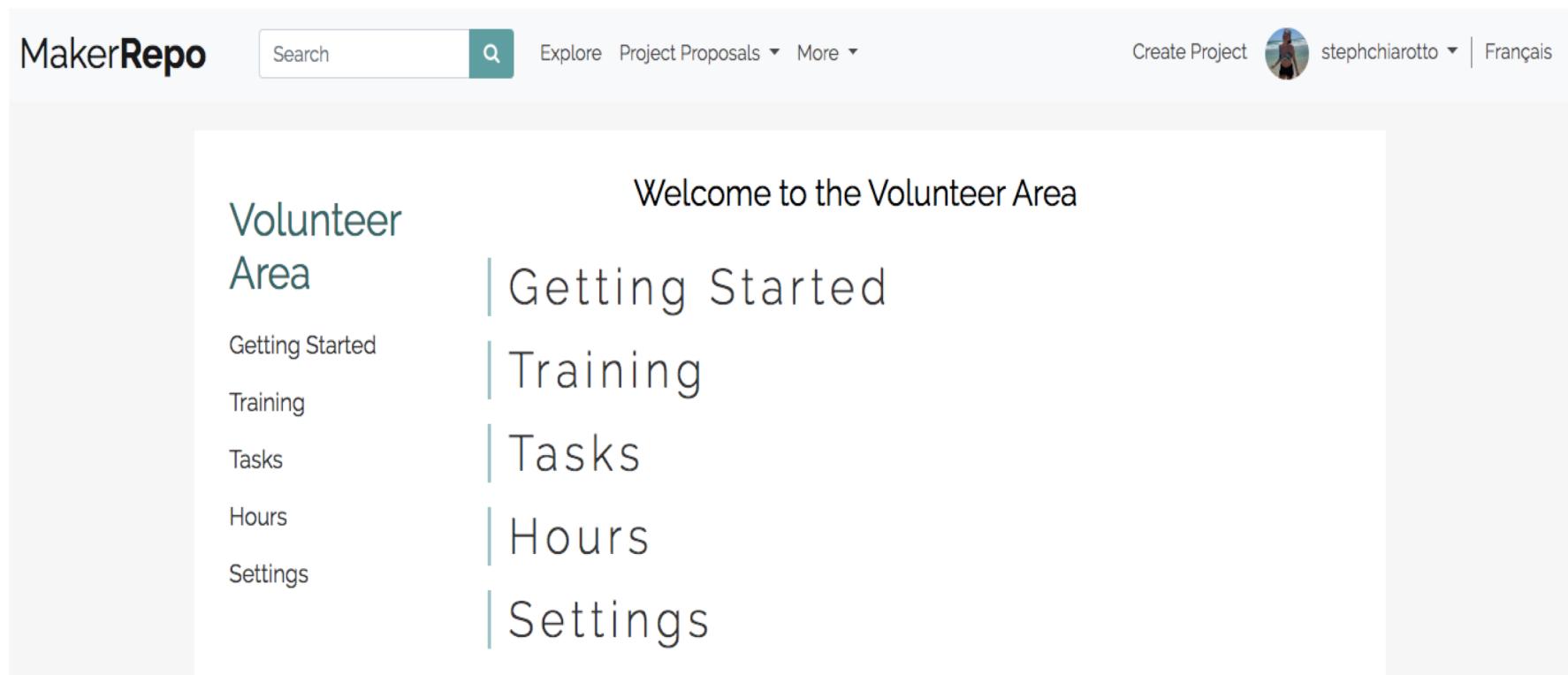
Getting Started

Training

Tasks

Hours

Settings



# I still don't get it... how is this going to work again?



# Thank You!

- Feel free to contact me at either
  - [schia015@uottawa.ca](mailto:schia015@uottawa.ca)
  - [volunteer@makerepo.com](mailto:volunteer@makerepo.com)

