

**Name: Daylen Mackey**

We have a team selected: Leo Marroquin, Jia Xiang (Tony) Yang, and Ian Then

**Favorite Engineering Topic:**

Embedded Design! I really enjoy programming, so I absolutely love when I get to combine hardware with low level code!

**Special Engineering or Business Talent:**

I'm a relatively experienced web developer who's familiar with using Python for data analysis. I have also helped file patents.

**Proudest Engineering or Personal Achievement:**

My personal portfolio website

At this point, all my experience with web development had been somewhat confined – I would complete tasks that were integrated into a larger site, or build sites using Wordpress and Shopify. Building a website from scratch was far more challenging, but allowed me to apply all my knowledge on the matter.

**Work Experience:**

**Assistant in Programming**

Konnektiv Kollektiv GmbH

*05/2018 – 08/2018*

*Berlin, Germany*

- Developed and updated multiple online community platforms.
- HTML, CSS, and PHP Coding and Code Review.
- Researched and reviewed Konnektiv's academic papers on Blockchain and digitization of the Congo-Nile trail.

**E-Commerce Website Developer**

SMHeartCard Inc.

*05/2018 – Present*

*Edmonton, Alberta*

*<https://smheartcard.ca/>*

- Built and launched the website on a Shopify platform supporting over 11,000 users since launch.
- Customized interface through backend (editing HTML, CSS, and Liquid source code).
- Website maintenance, and implementation of new features including risk calculation software.

**Undergraduate Researcher**

I.S. Goping Laboratory

*05/2015 – 10/2015*

*Edmonton, Alberta*

- Researched BCL-2 protein's impact on Breast Cancer Cell growth.

- Gathered experimental data for statistical analysis, publication, and poster presentation. (University of Alberta Summer Student's Research Day).

### Strengths:

- **Programming:** Python, C, Javascript, HTML, CSS, MATLAB, Swift
- **Data Science:** Numpy, Pandas, Matplotlib, IBM Cloud and IBM Watson

**What skills do you want to develop this term:** I would really like to learn more about PCB design. My partner Leo has experience with PCBs, so I plan on scraping as much knowledge from his as possible.

### Results of the skills assessment:

(Results tabulated because an image of the results made the file exceed the 100KB limit)

Modality	My Score
ES	1
EN	-1
IS	1
IN	-1
ET	9
EF	-3
IT	3
IF	-9