

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