

Martin Weiss

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EDUCATION

Université de Montreal (2018 - Now)

M.Sc. in Computer Science. Supervised by Chris Pal at Mila

McGill University (2010 - May 2015)

B.Sc. in Software Engineering.

AWARDS

October 2018 — Best talk presented at the IRIC (Institut de Recherche en Immunologie et en Cancerologie)

International Symposium for my work on Gene Graph Convolutional Neural Networks

September 2015 — X-1 Startup Accelerator awarded \$8,000 and \$50,000 in web hosting.

May 2014 — 2nd place in McGill Dobson Cup business plan competition (230+ entries, \$3,500).

May 2011 — 1st place in McGill Dobson Cup business plan competition (100+ entries, \$15,000).

EXPERIENCE

Sonder (October 2017 - December 2017)

Independent Contractor

- Developed an inventory warehouse management system in Ruby on Rails
- Implemented the entire receiving, pick-and-pack, shipping, and order fulfillment workflow
- Created a process enabling multiple semi-trucks worth of goods to travel from China, to the Canadian warehouse, and on apartments in the U.S. and Canada.

YesGraph (January 2016 - February 2017)

Software Engineer

- Wrote software that gathered 100,000,000's of public social profiles and friendships.
- Processed terabytes of social data to provide a realtime data enrichment service.
- Produced social graph visualization product receiving 1,600 signups and 200 upvotes on ProductHunt.
- Achieved 10.5% signup to API hit conversion rate, and increased rate of traffic to signup by 37%
- Collaborated with CEO to produce a YC Demo Day pitch that helped raise a seed round of over \$500k

Silent Disco Squad (July 2013 - January 2016)

Co-founder

- Produced web platform on Django and Angular with 30,000+ users: www.silentdiscosquad.com
- Coordinated synchronized streaming music for dance parties in nearly 100 cities simultaneously.
- Created partnerships with dozens of organizations including Amnesty International and Unify.

ACELab, Montreal Neurological Institute (February 2013 - November 2013)

Software Engineer

- Redesigned research management platform storing terabytes of medical data for 10,000+ patients.
- Produced informational website about ACElabs pioneering contributions to MRI and PET imaging.

Moral Fibers (February 2011 - August 2012)

Co-founder & COO

- Raised \$150,000 seed round.
- Designed and managed international supply chains.
- Developed ethical e-commerce clothing site with \$70,000+ in revenue.
- Managed design and production of several lines of clothing.

ADDITIONAL INFORMATION

- Programming Languages: Python, Javascript, Java, PHP
- Databases: Postgresql, MySQL, Redis
- Libraries: Pandas, Numpy, Matplotlib, NLTK, Scrapy
- Frameworks: Django, Ruby on Rails, Angular, Node.js, Laravel
- Personal: 3-time Montreal Marathoner, motorcycle camper, DJ, music producer, classic sci-fi buff

PUBLICATIONS

A Survey of Mobile Computing for the Visually Impaired

Martin Weiss, Margaux Luck, Roger Girgis, Chris Pal, Joseph Paul Cohen

Arxiv pre-print 2018

Towards Gene Expression Convolutions using Gene Interaction Graphs

Francis Dutil, Joseph Paul Cohen, Martin Weiss, Georgy Derevyanko, Yoshua Bengio

International Conference on Machine Learning, Workshop on Computational Biology, 2018