Jenny Yang
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Work Experience:

BC Cancer Agency (Genome Sciences Centre) – Research/Software Intern   **(May 2016 – Present)**
- Working within the Jones Lab Group, under supervision of Dr. Steve Jones.
- Performing machine learning development and testing in Python
- Configuring and utilizing deep learning frameworks (TensorFlow, Theano)
- Using an autoencoder to determine and analyze the most predictive genes in cancer classification

Non-Invasive Neurostimulation Therapies (NINET) Lab – Research/Software Intern (Sept 2016 – May 2016)
- Working within the NINET Lab under supervision of Dr. Fidel Vila-Rodriguez.
- Writing scripts in R to organize and analyze data.
- Performing machine learning development and testing in R
- Designed and developed a dynamic and informative website for the lab. (Javascript, HTML, CSS)
- Site administrator for NINET's (REDCap) CFRI and CAMH project servers (5 active projects).

BC Cancer Agency (Genome Sciences Centre) – Software Intern   **(August 2016 – Sept 2016)**
- Working within the Jones Lab Group, under supervision of Dr. Steve Jones.
- Configured and tested a server for the uploading and sharing of Personalized Oncogenetics data.
- Wrote scripts in Python to implement and facilitate the uploading and validation of data within the Global Alliance database.

SMART Technologies – Software Test Intern   **(Jan 2016 – May 2016)**
- With a team of 6 interns, completed the full-stack development (Javascript, HTML, CSS) of an Image Search Add-on for the SMART Notebook Application (add-on released to millions of users in April 2016)
- Working on stories in an agile development process with experienced developers.
- Coding automated tests and frameworks for front end UIs, back end APIs and everything in between.
- Nerf gun ambushes on other project sub-teams.

Presentations:

Jenny Yang, Jasleen Grewal, Steven Jones. Identifying Functional Clusters of Genes for Personalized Therapy in Medicine. The International Conference of Physics Students, Turin, Italy. August 7-14, 2017.

Jenny Yang, Daniel Blumberger, Zafiris J Daskalakis, Colleen Northcott, Joe Tham, Raymond Lam, Jonathan Downar, Fidel Vila-Rodriguez. Machine Learning Predicts Response to rTMS in Depression. UBC Department of Psychiatry Research Day, Vancouver, Canada. May 25, 2017.

Afifa Humaira, **Jenny Yang**, Katie Green, Nick Ainsworth, Marlon Danilewitz, Colleen Northcott, Daniel Blumberger, Jonathan Downar, Zafiris Daskalakis, Joe Tham, Raymond Lam, Fidel Vila-Rodriguez. Side Effects of rTMS in HFL vs. TBS Study for Major Depressive Disorder Treatment. UBC Undergraduate Neuroscience Conference, Vancouver, Canada. Sep 9, 2016.

Education:

University of British Columbia (September 2014 – Present)
- B.A.Sc. Engineering Physics (with Pre-Medical Alternative Pathway)
  - Cumulative GPA: A- (2015, 2016, 2017)
  - UBC Dean's Honor List
  - UBC Chancellor's Scholar Designation