TYLER PHAM

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SKILLS

Languages			**Technologies**		
> JavaScript	> Python	> HTML/CSS	> Cypress.io	> React	> Docker
> Dart	> SQL		> Flutter	> Gatsby.js	

EXPERIENCE

Rival Technologies | Vancouver, BC
Jr. QA Engineer *Jan 2020 – Present*
> Maintaining and improving a Cypress.io suite of smoke tests to check build stability
> Communicating with the project management team and engineering leads to resolve defects
> Devising test plans for manual and automated testing for new features
> Improving the documentation of QA testing practices to enhance their repeatability, saving time and money and encouraging testing standardization and best practices

Neurio Technology Inc. | Vancouver, BC
Software Developer in Test Co-op *Sept 2017 - May 2018*
> Analyzed time series data from home energy monitoring sensor to determine optimal cost saving strategies
> Built and deployed a testing infrastructure in Python to simulate the residential electricity usage of 200 houses over AWS and validated different strategies
> Designed and deployed an AWS microservice to run daily to convert protobuf data stored on S3 of over 4000 devices to HDF5 which is more effectively used in the rest of the systems

Advanced Cyclotron Systems Inc. | Richmond, BC
Controls System Specialist *Dec 2012 - Mar 2014*
> Programmed the control system in RSLogix 5000 for particle accelerators to different customer specifications
> Designed the HMI in RSView32 and Factorytalk View to allow operators to run automated functions or manually control different components of the machinery
> Travelled to Japan and USA to install control systems, work with customers and assist with knowledge transfer

EDUCATION

Simon Fraser University *Graduated Aug 2019*
B.Sc **Computer Science.** GPA: 3.20

British Columbia Institute of Technology *Graduated May 2012*
Diploma of Technology, **Mechatronics and Robotics**

PROJECTS

Spotify Autoplaylist
Web-based Information Systems, CMPT 470, SFU *July - Aug 2019*
> Collaborated with four other students to develop a custom Spotify web player using React, ExpressJS and the Spotify API and SDK
> Worked on the backend API with ExpressJS to communicate with our PostgreSQL database containing the user's song and playlist data

RobotMusic
Machine Learning, CMPT 419, SFU *Nov - Dec 2019*
> Leveraged recurrent neural networks with Keras to generate music as MIDI files from different genres of music
> Experimented with different networks using LSTM and GRU units to try to create music with the same theme as holiday music

PERSONAL PROJECTS

Logan Misses You *Mar – Jun 2020*
> Android application created in Flutter that allows for image manipulation with a template