Tony Chen

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EXPERIENCE

Deloitte – Toronto, Canada   Sep 2018 – Dec 2018
Data Science Intern

Datalogue – Montreal, Canada   May 2018 – Aug 2018
Research Intern (Machine Learning)
– Implemented Variational Autoencoder model for outlier detection and embedding learning using Python and Keras.
– Wrote script to parse results of training and testing into Google Sheets.

BlackBerry – Ottawa, Canada   May 2017 – Dec 2017
Software Development Student
– Worked on Performance team. Developed features of the performance lab which illustrates and compares KPI metrics of individual OS versions. Worked with Python, Numpy, MongoDB, Javascript and Google Charts.
– Optimized script runtime by 40% and reformatted data to reduce size by > 70%.
– Completed overhaul of existing UI and reusable UI template for faster development.
– Maintained Token Management Portal using Java Spring Boot.

TECTC – Tianjin, China   May 2015 – Aug 2015
Software Engineering Intern
– Implemented a RESTful web service using Python and Flask which uses MySQL data to implement a conditioned linear regression model for meaningful market pattern identification.
– Implemented VBA script to parse data in Excel, saving dozens of employees couple hours per day.

PROJECTS

Sit Straight
– Built real-time in-browser slouch detection.
– Used PoseNet model and TensorFlow.js.

Mateband
– Worked on smartband solution for large scale events (music festivals, theme parks and etc.) using BLE mesh.
– Created website using JavaScript, HTML5 and CSS3.
– Created prototype using Swift and Estimotes.
– Semi-Finalist at McGill Dobson Cup 2017.

EDUCATION

McGill University
B.S. Computer Science
Graduating May 2019

Relevant Coursework
Data Structures, Algorithm Design, Software Design, Artificial Intelligence, Applied Machine Learning, Database Systems, Programming Paradigm, Probability, Discrete Structures

SKILLS

Proficient languages
Java, Python, PHP, Javascript, Shell Scripting, HTML5/CSS3,

Tools/Libraries
React, Node.js, MongoDB, MySQL, TensorFlow, Keras, SciKit-Learn, Hadoop

VOLUNTEER

Disrupt Montreal – Mentor
Mentored at a Thinkathon. Helped teams' validate technical feasibility.

AWARDS

Semi-Finalist, McGill Dobson Cup 2017

1st Place, deCODE Hackathon 2016 - You.i challenge